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PF-0526 USN

<110> INCYTE GENOMICS, INC.

TANG, Y. Tom

LAL, Preeti

HILLMAN, Jennifer L.

YUE, Henry

GUEGLER, Karl J.

CORLEY, Neil C.

BANDMAN, Olga

PATTERSON, Chandra

GORGONE, Gina A.

KASER, Matthew R.

BAUGHN, Mariah R.

AU-YOUNG, Janice

<120> HUMAN TRANSMEMBRANE PROTEINS

<130> PF-0526 USN

M <140> To Be Assigned

<141> Herewith

<150> 60/087,260

<151> 05-29-1998

<150> 60/091,674

<151> 07-02-1998

<150> 60/102,954

<151> 10-02-1998

<150> 60/109,869

<151> 11-24-1998

<160> 158

<170> PERL Program

<210> 1

<211> 240

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 153831

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Met	Gly	Asn	Cys	Gln	Ala	Gly	His	Asn	Leu	His	Leu	Cys	Leu	Ala
1					5				10					15
His	His	Pro	Pro	Leu	Val	Cys	Ala	Thr	Leu	Ile	Leu	Leu	Leu	Leu
									20		25			30
Gly	Leu	Ser	Gly	Leu	Gly	Leu	Gly	Ser	Phe	Leu	Leu	Thr	His	Arg
									35		40			45
Thr	Gly	Leu	Arg	Ser	Pro	Asp	Ile	Pro	Gln	Asp	Trp	Val	Ser	Phe
									50		55			60

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Leu Arg Ser Phe Gly Gln Leu Thr Leu Cys Pro Arg Asn Gly Thr
65 70 75
Val Thr Gly Lys Trp Arg Gly Ser His Val Val Gly Leu Leu Thr
80 85 90
Thr Leu Asn Phe Gly Asp Gly Pro Asp Arg Asn Lys Thr Arg Thr
95 100 105
Phe Gln Ala Thr Val Leu Gly Ser Gln Met Gly Leu Lys Gly Ser
110 115 120
Ser Ala Gly Gln Leu Val Leu Ile Thr Ala Arg Val Thr Thr Glu
125 130 135
Arg Thr Ala Gly Thr Cys Leu Tyr Phe Ser Ala Val Pro Gly Ile
140 145 150
Leu Pro Ser Ser Gln Pro Pro Ile Ser Cys Ser Glu Glu Gly Ala
155 160 165
Gly Asn Ala Thr Leu Ser Pro Arg Met Gly Glu Glu Cys Val Ser
170 175 180
a Val Trp Ser His Glu Gly Leu Val Leu Thr Lys Leu Leu Thr Ser
185 190 195
Glu Glu Leu Ala Leu Cys Gly Ser Arg Leu Leu Val Leu Gly Ser
200 205 210
Phe Leu Leu Leu Phe Cys Gly Leu Leu Cys Cys Val Thr Ala Met
215 220 225
Cys Phe His Pro Arg Arg Glu Ser His Trp Ser Arg Thr Arg Leu
230 235 240

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<212> PRT
<213> Homo sapiens

<220>
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<223> Incyte ID No: 350629

<400> 2
Met Glu Gly Leu Arg Ser Ser Val Glu Leu Asp Pro Glu Leu Thr
1 5 10 15
Pro Gly Lys Leu Asp Glu Glu Met Val Gly Leu Pro Pro His Asp
20 25 30
Ala Ser Pro Gln Val Thr Phe His Ser Leu Asp Gly Lys Thr Val
35 40 45
Val Cys Pro His Phe Met Gly Leu Leu Leu Gly Leu Leu Leu Leu
50 55 60
Leu Thr Leu Ser Val Arg Asn Gln Leu Cys Val Arg Gly Glu Arg
65 70 75
Gln Leu Ala Glu Thr Leu His Ser Gln Val Lys Glu Lys Ser Gln
80 85 90
Leu Ile Gly Lys Lys Thr Asp Cys Arg Asp
95 100

<210> 3
<211> 416
<212> PRT

PF-0526 USN

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 729171

<400> 3

Met Ser Gly His Arg Ser Thr Arg Lys Arg Cys Gly Asp Ser His
1 5 10 15
Pro Glu Ser Pro Val Gly Phe Gly His Met Ser Thr Thr Gly Cys
20 25 30
Val Leu Asn Lys Leu Phe Gln Leu Pro Thr Pro Pro Leu Ser Arg
35 40 45
His Gln Leu Lys Arg Leu Glu Glu His Arg Tyr Gln Ser Ala Gly
50 55 60
Arg Ser Leu Leu Glu Pro Leu Val Gln Gly Tyr Trp Glu Trp Leu
65 70 75
Val Arg Arg Val Pro Ser Trp Ile Ala Pro Asn Leu Ile Thr Ile
80 85 90
Ile Gly Leu Ser Ile Asn Ile Cys Thr Thr Ile Leu Leu Val Phe
95 100 105
Tyr Cys Pro Thr Ala Thr Glu Gln Ala Pro Leu Trp Ala Tyr Ile
110 115 120
Ala Cys Ala Cys Gly Leu Phe Ile Tyr Gln Ser Leu Asp Ala Ile
125 130 135
Gly Gly Lys Gln Ala Arg Arg Thr Asn Ser Ser Ser Pro Leu Gly
140 145 150
Glu Leu Phe Asp His Gly Cys Asp Ser Leu Ser Thr Val Phe Val
155 160 165
Val Leu Gly Thr Cys Ile Ala Val Gln Leu Gly Thr Asn Pro Asp
170 175 180
Trp Met Phe Phe Cys Cys Phe Ala Gly Thr Phe Met Phe Tyr Cys
185 190 195
Ala His Trp Gln Thr Tyr Val Ser Gly Thr Leu Arg Phe Gly Ile
200 205 210
Ile Asp Val Thr Glu Val Gln Ile Phe Ile Ile Ile Met His Leu
215 220 225
Leu Ala Val Met Gly Gly Pro Pro Phe Trp Gln Ser Met Ile Pro
230 235 240
Val Leu Asn Ile Gln Met Lys Ile Phe Pro Ala Leu Cys Thr Val
245 250 255
Ala Gly Thr Ile Phe Pro Val Thr Asn Tyr Phe Arg Val Ile Phe
260 265 270
Thr Gly Val Gly Lys Asn Gly Ser Thr Ile Ala Gly Thr Ser
275 280 285
Val Leu Ser Pro Phe Leu His Ile Gly Ser Val Ile Thr Leu Ala
290 295 300
Ala Met Ile Tyr Lys Lys Ser Ala Val Gln Leu Phe Glu Lys His
305 310 315
Pro Cys Leu Tyr Ile Leu Thr Phe Gly Phe Val Ser Ala Lys Ile
320 325 330
Thr Asn Lys Leu Val Val Ala His Met Thr Lys Ser Glu Met His
335 340 345
Leu His Asp Thr Ala Phe Ile Gly Pro Ala Leu Leu Phe Leu Asp

350	355	360
Gln Tyr Phe Asn Ser Phe Ile Asp Glu	Tyr Ile Val Leu Trp	Ile
365	370	375
Ala Leu Val Phe Ser Phe Asp Leu	Ile Arg Tyr Cys Val	Ser
380	385	390
Val Cys Asn Gln Ile Ala Ser His Leu	His Ile His Val Phe	Arg
395	400	405
Ile Lys Val Ser Thr Ala His Ser Asn	His His	
410	415	

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<211> 224

<212> PRT

<213> Homo sapiens

<220>

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<223> Incyte ID No: 1273641

<400> 4

Met Thr Ile Thr Ser Phe Tyr Ala Val	Cys Phe Tyr Leu Leu Met		
1	5	10	15
Leu Val Met Val Glu Gly Phe Gly Gly	Lys Glu Ala Val Leu Arg		
20	25	30	
Thr Leu Arg Asp Thr Pro Met Met Val	His Thr Gly Pro Cys Cys		
35	40	45	
Cys Cys Cys Pro Cys Cys Gln Arg Leu	Leu Leu Thr Arg Lys Lys		
50	55	60	
Leu Gln Leu Leu Met Leu Gly Pro Phe	Gln Tyr Ala Phe Leu Lys		
65	70	75	
Ile Thr Leu Thr Trp Trp Ala Leu Phe	Ser Ser Pro Thr Glu Ser		
80	85	90	
Tyr Asp Pro Ala Asp Ile Ser Glu Gly	Ser Thr Ala Leu Trp Ile		
95	100	105	
Asn Thr Phe Leu Gly Val Ser Thr Leu	Leu Ala Leu Trp Thr Leu		
110	115	120	
Gly Ile Ile Ser Arg Gln Ala Arg Leu	His Leu Gly Glu Gln Asn		
125	130	135	
Met Gly Ala Lys Phe Ala Leu Phe Gln	Val Leu Leu Ile Leu Thr		
140	145	150	
Ala Leu Gln Pro Ser Ile Phe Ser Val	Leu Ala Asn Gly Gly Gln		
155	160	165	
Ile Ala Cys Ser Pro Pro Tyr Ser Ser	Lys Thr Arg Ser Gln Val		
170	175	180	
Met Asn Cys His Leu Leu Ile Leu Glu	Thr Phe Leu Met Thr Val		
185	190	195	
Leu Thr Arg Met Tyr Tyr Arg Arg Lys	Asp His Lys Val Gly Tyr		
200	205	210	
Glu Thr Phe Ser Ser Pro Asp Leu Asp	Leu Asn Leu Lys Ala		
215	220		

<210> 5

<211> 247

<212> PRT

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<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1427389

<400> 5

Met Gly Ala Ala Val Phe Phe Gly Cys Thr Phe Val Ala Phe Gly
1 5 10 15
Pro Ala Phe Ala Leu Phe Leu Ile Thr Val Ala Gly Asp Pro Leu
20 25 30
Arg Val Ile Ile Leu Val Ala Gly Ala Phe Phe Trp Leu Val Ser
35 40 45
Leu Leu Leu Ala Ser Val Val Trp Phe Ile Leu Val His Val Thr
50 55 60
Asp Arg Ser Asp Ala Arg Leu Gln Tyr Gly Leu Leu Ile Phe Gly
65 70 75
Ala Ala Val Ser Val Leu Leu Gln Glu Val Phe Arg Phe Ala Tyr
80 85 90
Tyr Lys Leu Leu Lys Lys Ala Asp Glu Gly Leu Ala Ser Leu Ser
95 100 105
Glu Asp Gly Arg Ser Pro Ile Ser Ile Arg Gln Met Ala Tyr Val
110 115 120
Ser Gly Leu Ser Phe Gly Ile Ile Ser Gly Val Phe Ser Val Ile
125 130 135
Asn Ile Leu Ala Asp Ala Leu Gly Pro Gly Val Val Gly Ile His
140 145 150
Gly Asp Ser Pro Tyr Tyr Phe Leu Thr Ser Ala Phe Leu Thr Ala
155 160 165
Ala Ile Ile Leu Leu His Thr Phe Trp Gly Val Val Phe Phe Asp
170 175 180
Ala Cys Glu Arg Arg Tyr Trp Ala Leu Gly Leu Val Val Gly
185 190 195
Ser His Leu Leu Thr Ser Gly Leu Thr Phe Leu Asn Pro Trp Tyr
200 205 210
Glu Ala Ser Leu Leu Pro Ile Tyr Ala Val Thr Val Ser Met Gly
215 220 225
Leu Trp Ala Phe Ile Thr Ala Gly Gly Ser Leu Arg Ser Ile Gln
230 235 240
Arg Ser Leu Leu Cys Lys Asp
245

<210> 6

<211> 72

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1458357

<400> 6

Met Tyr Trp Leu His Gln Asp Met Phe Trp Leu Leu Val Leu Ile
1 5 10 15

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Leu Ile Cys Leu Val Thr His Leu Ile Thr Arg Glu Thr Ile Tyr
20 25 30
Val Lys Ser Leu Phe Tyr Phe Lys Ile Leu Phe Val Tyr Leu Glu
35 40 45
Ser Lys Pro Ala His Cys Asn Leu Cys Leu Tyr Ala Lys Glu Leu
50 55 60
Asp Phe Phe Val Phe Val Leu Phe Phe Lys Leu Leu
65 70

<210> 7
<211> 106
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 1482837

a.
<400> 7
Met His Tyr Gly Phe Leu Leu Trp Ser Gly Lys Lys Arg Gly Leu
1 5 10 15
Ala Gly Pro Gln Gly Ile Cys Lys Ser Gln Lys Thr Val Phe Leu
20 25 30
Thr Ala Arg Cys His Ser Thr Leu Val Gly Lys Glu Glu Lys Lys
35 40 45
Ile Lys Leu Phe His Arg Thr Ser Trp Pro Pro His Ser His Ala
50 55 60
Leu Pro Thr Gln Pro Gly Pro Leu Pro Ala Pro Phe Ile Lys Ala
65 70 75
Glu Arg Val Glu Leu Ile Phe Thr Asn Cys Asn Ile Phe Val Val
80 85 90
Ser Val Ser Ser Phe Val Ser Ser Ala Glu Pro Cys Pro Phe Leu
95 100 105
Leu

<210> 8
<211> 239
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 1517434

<400> 8
Met Cys Val Thr Gln Leu Arg Leu Ile Phe Tyr Met Gly Ala Met
1 5 10 15
Asn Asn Ile Leu Lys Phe Leu Val Ser Gly Asp Gln Lys Thr Val
20 25 30
Gly Leu Tyr Thr Ser Ile Phe Gly Val Leu Gln Leu Leu Cys Leu
35 40 45
Leu Thr Ala Pro Val Ile Gly Tyr Ile Met Asp Trp Arg Leu Lys
50 55 60

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Glu Cys Glu Asp Ala Ser Glu Glu Pro Glu Glu Lys Asp Ala Asn
65 70 75
Gln Gly Glu Lys Lys Lys Lys Arg Asp Arg Gln Ile Gln Lys
80 85 90
Ile Thr Asn Ala Met Arg Ala Phe Ala Phe Thr Asn Leu Leu
95 100 105
Val Gly Phe Gly Val Thr Cys Leu Ile Pro Asn Leu Pro Leu Gln
110 115 120
Ile Leu Ser Phe Ile Leu His Thr Ile Val Arg Gly Phe Ile His
125 130 135
Ser Ala Val Gly Gly Leu Tyr Ala Ala Val Tyr Pro Ser Thr Gln
140 145 150
Phe Gly Ser Leu Thr Gly Leu Gln Ser Leu Ile Ser Ala Leu Phe
155 160 165
Ala Leu Leu Gln Gln Pro Leu Phe Leu Ala Met Met Gly Pro Leu
170 175 180
Gln Gly Asp Pro Leu Trp Val Asn Val Gly Leu Leu Leu Leu Ser
185 190 195
Leu Leu Gly Phe Cys Leu Pro Leu Tyr Leu Ile Cys Tyr Arg Arg
200 205 210
Gln Leu Glu Arg Gln Leu Gln Gln Arg Gln Glu Asp Asp Lys Leu
215 220 225
Phe Leu Lys Ile Asn Gly Ser Ser Asn Gln Glu Ala Phe Val
230 235

<210> 9
<211> 150
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 1536052

<400> 9
Met Trp Leu Pro Trp Ala Leu Leu Leu Trp Val Pro Ala Ser
1 5 10 15
Thr Ser Met Thr Pro Ala Ser Ile Thr Ala Ala Lys Thr Ser Thr
20 25 30
Ile Thr Thr Ala Phe Pro Pro Val Ser Ser Thr Thr Leu Phe Ala
35 40 45
Val Gly Ala Thr His Ser Ala Ser Ile Gln Glu Glu Thr Glu Glu
50 55 60
Val Val Asn Ser Gln Leu Pro Leu Leu Ser Leu Leu Ala Leu
65 70 75
Leu Leu Leu Leu Val Gly Ala Ser Leu Leu Ala Trp Arg Met
80 85 90
Phe Gln Lys Trp Ile Lys Ala Gly Asp His Ser Glu Leu Ser Gln
95 100 105
Asn Pro Lys Gln Ala Ser Pro Arg Glu Glu Leu His Tyr Ala Ser
110 115 120
Val Val Phe Asp Ser Asn Thr Asn Arg Ile Ala Ala Gln Arg Pro
125 130 135
Arg Glu Glu Glu Pro Asp Ser Asp Tyr Ser Val Ile Arg Lys Thr

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140

145

150

<210> 10
<211> 110
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 1666118

<400> 10
Met Pro Ala Cys Ile Leu Glu Asp Val Glu Ile Ser Phe Arg Gln
1 5 10 15
Lys Trp Ser Ile Asn Ser Asp Thr Leu Leu Gly Cys Leu Thr Leu
20 25 30
A
Phe Ile Ser Ala Phe Phe Ala Ser Glu Thr Trp Gln Lys Leu Val
35 40 45
Ser Gln Ser Thr Ala Phe Leu Thr Met Cys Gly Val Thr Tyr Ala
50 55 60
Trp Tyr Met Pro Leu Leu Leu Lys Phe Tyr Ser Leu Leu Leu
65 70 75
Ala Gln Val Leu Leu Asn Pro Phe Leu Met Cys Thr Gly Trp Arg
80 85 90
Lys Asn Tyr Ser Gln His Phe Glu Arg Lys Val Phe Arg Asn Asn
95 100 105
Ile Asn Trp His Tyr
110

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<211> 58
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 1675560

<400> 11
Met Leu Val Thr Asn Ile Thr Val Asn Arg Ser Leu Leu His Ala
1 5 10 15
Lys Asp Gln Cys Asp Leu Trp Met Glu Met Ile Val Met Lys Phe
20 25 30
Leu Phe His Gly Ala Val Phe Leu Phe Ile Ser Leu Gly Ser Arg
35 40 45
Phe Ser Glu Ala Val Arg Cys Cys Cys Cys Gly Phe Leu
50 55

<210> 12
<211> 221
<212> PRT
<213> Homo sapiens

PF-0526 USN

<220>
<221> misc_feature
<223> Incyte ID No: 1687323

Al

<400> 12

Met Ala Ala Ser Ser Ile Ser Ser Pro Trp Gly Lys His Val Phe	1	5	10	15
Lys Ala Ile Leu Met Val Leu Val Ala Leu Ile Leu Leu His Ser	20	25	30	
Ala Leu Ala Gln Ser Arg Arg Asp Phe Ala Pro Pro Gly Gln Gln	35	40	45	
Lys Arg Glu Ala Pro Val Asp Val Leu Thr Gln Ile Gly Arg Ser	50	55	60	
Val Arg Gly Thr Leu Asp Ala Trp Ile Gly Pro Glu Thr Met His	65	70	75	
Leu Val Ser Glu Ser Ser Gln Val Leu Trp Ala Ile Ser Ser	80	85	90	
Ala Ile Ser Val Ala Phe Phe Ala Leu Ser Gly Ile Ala Ala Gln	95	100	105	
Leu Leu Asn Ala Leu Gly Leu Ala Gly Asp Tyr Leu Ala Gln Gly	110	115	120	
Leu Lys Leu Ser Pro Gly Gln Val Gln Thr Phe Leu Leu Trp Gly	125	130	135	
Ala Gly Ala Leu Val Val Tyr Trp Leu Leu Ser Leu Leu Leu Gly	140	145	150	
Leu Val Leu Ala Leu Leu Gly Arg Ile Leu Trp Gly Leu Lys Leu	155	160	165	
Val Ile Phe Leu Ala Gly Phe Val Ala Leu Met Arg Ser Val Pro	170	175	180	
Asp Pro Ser Thr Arg Ala Leu Leu Leu Ala Leu Leu Ile Leu	185	190	195	
Tyr Ala Leu Leu Ser Arg Leu Thr Gly Ser Arg Ala Ser Gly Ala	200	205	210	
Gln Leu Glu Ala Lys Val Arg Gly Leu Glu Arg	215	220		

<210> 13
<211> 262
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<213> Homo sapiens

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<223> Incyte ID No: 1692236

<400> 13

Met Ala Leu Gly Leu Lys Cys Phe Arg Met Val His Pro Thr Phe	1	5	10	15
Arg Asn Tyr Leu Ala Ala Ser Ile Arg Pro Val Ser Glu Val Thr	20	25	30	
Leu Lys Thr Val His Glu Arg Gln His Gly His Arg Gln Tyr Met	35	40	45	
Ala Tyr Ser Ala Val Pro Val Arg His Phe Ala Thr Lys Lys Ala	50	55	60	

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Lys Ala Lys Gly Lys Gly Gln Ser Gln Thr Arg Val Asn Ile Asn
65 70 75
Ala Ala Leu Val Glu Asp Ile Ile Asn Leu Glu Glu Val Asn Glu
80 85 90
Glu Met Lys Ser Val Ile Glu Ala Leu Lys Asp Asn Phe Asn Leu
95 100 105
Thr Leu Asn Ile Arg Ala Ser Pro Gly Ser Leu Asp Lys Ile Ala
110 115 120
Val Val Thr Ala Asp Gly Lys Leu Ala Leu Asn Gln Ile Ser Gln
125 130 135
Ile Ser Met Lys Ser Pro Gln Leu Ile Leu Val Asn Met Ala Ser
140 145 150
Phe Pro Glu Cys Thr Ala Ala Ala Ile Lys Ala Ile Arg Glu Ser
155 160 165
Gly Met Asn Leu Asn Pro Glu Val Glu Gly Thr Leu Ile Arg Val
170 175 180
Pro Ile Pro Gln Val Thr Arg Glu His Arg Glu Met Leu Val Lys
185 190 195
Leu Ala Lys Gln Asn Thr Asn Lys Ala Lys Asp Ser Leu Arg Lys
200 205 210
Val Arg Thr Asn Ser Met Asn Lys Leu Lys Lys Ser Lys Asp Thr
215 220 225
Val Ser Glu Asp Thr Ile Arg Leu Ile Glu Lys Gln Ile Ser Gln
230 235 240
Met Ala Asp Asp Thr Val Ala Glu Leu Asp Arg His Leu Ala Val
245 250 255
Lys Thr Lys Glu Leu Leu Gly
260

<210> 14

<211> 90

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1720847

<400> 14

Met Glu Ala Ala Met Glu Trp Glu Gly Gly Ala Ile Arg His Pro
1 5 10 15
Ser Thr Glu Leu Gly Ile Met Gly Ser Trp Phe Tyr Leu Phe Leu
20 25 30
Ala Pro Leu Phe Lys Gly Leu Ala Gly Ser Leu Pro Phe Gly Cys
35 40 45
Leu Ser Leu Leu Gln Pro Thr Glu Lys Thr Ala Leu Gln Arg Trp
50 55 60
Arg Val Phe Met Lys His Ser Cys Gln Glu Pro Arg His Arg Ala
65 70 75
Gly Gly Leu Glu Lys Gly Gly His Thr Gly Gly Gly Arg Ser Trp
80 85 90

<210> 15

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<211> 208

<212> PRT

<213> Homo sapiens

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<221> misc_feature

<223> Incyte ID No: 1752821

<400> 15

Met Ala Ser Ser Leu Leu Ala Gly Glu Arg Leu Val Arg Ala Leu
1 5 10 15
Gly Pro Gly Gly Glu Leu Glu Pro Glu Arg Leu Pro Arg Lys Leu
20 25 30
Arg Ala Glu Leu Glu Ala Ala Leu Gly Lys Lys His Lys Gly Gly
35 40 45
Asp Ser Ser Ser Gly Pro Gln Arg Leu Val Ser Phe Arg Leu Ile
50 55 60
Arg Asp Leu His Gln His Leu Arg Glu Arg Asp Ser Lys Leu Tyr
65 70 75
Leu His Glu Leu Leu Glu Gly Ser Glu Ile Tyr Leu Pro Glu Val
80 85 90
Val Lys Pro Pro Arg Asn Pro Glu Leu Val Ala Arg Leu Glu Lys
95 100 105
Ile Lys Ile Gln Leu Ala Asn Glu Glu Tyr Lys Arg Ile Thr Arg
110 115 120
Asn Val Thr Cys Gln Asp Thr Arg His Gly Gly Thr Leu Ser Asp
125 130 135
Leu Gly Lys Gln Val Arg Ser Leu Lys Ala Leu Val Ile Thr Ile
140 145 150
Phe Asn Phe Ile Val Thr Val Val Ala Ala Phe Val Cys Thr Tyr
155 160 165
Leu Gly Ser Gln Tyr Ile Phe Thr Glu Met Ala Ser Arg Val Leu
170 175 180
Ala Ala Leu Ile Val Ala Ser Val Val Gly Leu Ala Glu Leu Tyr
185 190 195
Val Met Val Arg Ala Met Glu Gly Glu Leu Gly Glu Leu
200 205

<210> 16

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<212> PRT

<213> Homo sapiens

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<221> misc_feature

<223> Incyte ID No: 1810923

<400> 16

Met Thr Lys Lys Lys Arg Glu Asn Leu Gly Val Ala Leu Glu Ile
1 5 10 15
Asp Gly Leu Glu Glu Lys Leu Ser Gln Cys Arg Arg Asp Leu Glu
20 25 30
Ala Val Asn Ser Arg Leu His Ser Arg Glu Leu Ser Pro Glu Ala
35 40 45

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Arg Arg Ser Leu Glu Lys Glu Lys Asn Ser Leu Met Asn Lys Ala
50 55 60
Ser Asn Tyr Glu Lys Glu Leu Lys Phe Leu Arg Gln Glu Asn Arg
65 70 75
Lys Asn Met Leu Leu Ser Val Ala Ile Phe Ile Leu Leu Thr Leu
80 85 90
Val Tyr Ala Tyr Trp Thr Met
95

<210> 17

<211> 243

<212> PRT

<213> Homo sapiens

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<221> misc_feature

<223> Incyte ID No: 1822315

Q1
<400> 17

Met Phe Phe Leu Ser Ser Ser Lys Leu Thr Lys Trp Lys Gly Glu
1 5 10 15
Val Lys Lys Arg Leu Asp Ser Glu Tyr Lys Glu Gly Gly Gln Arg
20 25 30
Asn Trp Val Gln Val Phe Cys Asn Gly Ala Val Pro Thr Glu Leu
35 40 45
Ala Leu Leu Tyr Met Ile Glu Asn Gly Pro Gly Glu Ile Pro Val
50 55 60
Asp Phe Ser Lys Gln Tyr Ser Ala Ser Trp Met Cys Leu Ser Leu
65 70 75
Leu Ala Ala Leu Ala Cys Ser Ala Gly Asp Thr Trp Ala Ser Glu
80 85 90
Val Gly Pro Val Leu Ser Lys Ser Ser Pro Arg Leu Ile Thr Thr
95 100 105
Trp Glu Lys Val Pro Val Gly Thr Asn Gly Gly Val Thr Val Val
110 115 120
Gly Leu Val Ser Ser Leu Leu Gly Gly Thr Phe Val Gly Ile Ala
125 130 135
Tyr Phe Leu Thr Gln Leu Ile Phe Val Asn Asp Leu Asp Ile Ser
140 145 150
Ala Pro Gln Trp Pro Ile Ile Ala Phe Gly Gly Leu Ala Gly Leu
155 160 165
Leu Gly Ser Ile Val Asp Ser Tyr Leu Gly Ala Thr Met Gln Tyr
170 175 180
Thr Gly Leu Asp Glu Ser Thr Gly Met Val Val Asn Ser Pro Thr
185 190 195
Asn Lys Ala Arg His Ile Ala Gly Lys Pro Ile Leu Asp Asn Asn
200 205 210
Ala Trp Ile Cys Phe Leu Leu Phe Leu Leu Pro Ser Cys Ser Gln
215 220 225
Leu Leu Leu Gly Val Phe Gly Pro Gly Gly Glu Leu Tyr Phe Ile
230 235 240
Ser Thr Gly

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<210> 18
<211> 162
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<213> Homo sapiens

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<223> Incyte ID No: 1877777

<400> 18

Met Leu Gln Thr Ser Asn Tyr Ser Leu Val Leu Ser Leu Gln Phe
1 5 10 15
Leu Leu Leu Ser Tyr Asp Leu Phe Val Asn Ser Phe Ser Glu Leu
20 25 30
Leu Gln Lys Thr Pro Val Ile Gln Leu Val Leu Phe Ile Ile Gln
35 40 45
Asp Ile Ala Val Leu Phe Asn Ile Ile Ile Phe Leu Met Phe
50 55 60
Phe Asn Thr Phe Val Phe Gln Ala Gly Leu Val Asn Leu Leu Phe
65 70 75
His Lys Phe Lys Gly Thr Ile Ile Leu Thr Ala Val Tyr Phe Ala
80 85 90
Leu Ser Ile Ser Leu His Val Trp Val Met Asn Leu Arg Trp Lys
95 100 105
Asn Ser Asn Ser Phe Ile Trp Thr Asp Gly Leu Gln Met Leu Phe
110 115 120
Val Phe Gln Arg Leu Ala Ala Val Leu Tyr Cys Tyr Phe Tyr Lys
125 130 135
Arg Thr Ala Val Arg Leu Gly Asp Pro His Phe Tyr Gln Asp Ser
140 145 150
Leu Trp Leu Arg Lys Glu Phe Met Gln Val Arg Arg
155 160

A1
<210> 19
<211> 470
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 1879819

<400> 19

Met Leu Ser Pro Ser Pro Gly Lys Gly Pro Pro Pro Ala Val Ala
1 5 10 15
Pro Arg Pro Lys Ala Pro Leu Gln Leu Gly Pro Ser Ser Ser Ile
20 25 30
Lys Glu Lys Gln Gly Pro Leu Leu Asp Leu Phe Gly Gln Lys Leu
35 40 45
Pro Ile Ala His Thr Pro Pro Pro Pro Pro Ala Pro Pro Leu Pro
50 55 60
Leu Pro Glu Asp Pro Gly Thr Leu Ser Ala Glu Arg Arg Cys Leu
65 70 75
Thr Gln Pro Val Glu Asp Gln Gly Val Ser Thr Gln Leu Leu Ala

80	85	90
Pro Ser Gly Ser Val Cys Phe Ser Tyr	Thr Gly Thr Pro Trp	Lys
95	100	105
Leu Phe Leu Arg Lys Glu Val Phe Tyr	Pro Arg Glu Asn Phe Ser	
110	115	120
His Pro Tyr Tyr Leu Arg Leu Leu Cys	Glu Gln Ile Leu Arg Asp	
125	130	135
Thr Phe Ser Glu Ser Cys Ile Arg Ile	Ser Gln Asn Glu Arg Arg	
140	145	150
Lys Met Lys Asp Leu Leu Gly Gly Leu	Glu Val Asp Leu Asp Ser	
155	160	165
Leu Thr Thr Thr Glu Asp Ser Val Lys	Lys Arg Ile Val Val Ala	
170	175	180
Ala Arg Asp Asn Trp Ala Asn Tyr Phe	Ser Arg Phe Phe Pro Val	
185	190	195
Ser Gly Glu Ser Gly Ser Asp Val Gln	Leu Leu Ala Val Ser His	
200	205	210
Arg Gly Leu Arg Leu Leu Lys Val Thr	Gln Gly Pro Gly Leu Arg	
215	220	225
Pro Asp Gln Leu Lys Ile Leu Cys Ser	Tyr Ser Phe Ala Glu Val	
230	235	240
Leu Gly Val Glu Cys Arg Gly Ser	Thr Leu Glu Leu Ser Leu	
245	250	255
Lys Ser Glu Gln Leu Val Leu His Thr	Ala Arg Ala Arg Ala Ile	
260	265	270
Glu Ala Leu Val Glu Leu Phe Leu Asn	Glu Leu Lys Lys Asp Ser	
275	280	285
Gly Tyr Val Ile Ala Leu Arg Ser Tyr	Ile Thr Asp Asn Cys Ser	
290	295	300
Leu Ile Ser Phe His Arg Gly Asp Leu	Ile Lys Leu Leu Pro Val	
305	310	315
Cys His Pro Gly Ala Arg Leu Ala Val	Trp Leu Cys Arg Gly Pro	
320	325	330
Phe Arg Thr Leu Ser Cys Arg His Ser	Ala Ala Gly Cys Arg Ser	
335	340	345
Arg Leu Phe Leu Leu Gln Gly Ala Glu	Glu Trp Leu Ala Gln Gly	
350	355	360
Ser Ala Val Gln Arg Gly Thr Arg Ala	Gly Ser Val Gly Gln Gly	
365	370	375
Leu Arg Gly Glu Glu Asp Gly Arg Gly	Thr Ser Arg Gly Lys Ala	
380	385	390
Cys Leu Arg Leu Arg Lys Glu Arg Gly	Leu Thr Thr Pro Glu Ala	
395	400	405
Ala Met Arg Trp Asp His Pro Ala Val	Arg Leu Leu Trp Leu Pro	
410	415	420
Leu Cys Pro Leu Leu Met Ala Arg Leu	Val Ser Pro Ala Arg Leu	
425	430	435
Cys Thr Pro Cys Arg Gln Gly Leu Gly	Trp Met Leu Leu Leu Cys	
440	445	450
Pro Thr Trp Tyr Leu Val Gln Gly Cys	Pro Ser Arg Cys Leu Ile	
455	460	465
Asn Ser Ser Ser Leu		
470		

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<210> 20

<211> 144

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1932945

<400> 20

Met Glu Arg Glu Gly Ser Gly Gly Ser Gly Gly Ser Ala Gly Leu
1 5 10 15
Leu Gln Gln Ile Leu Ser Leu Lys Val Val Pro Arg Val Gly Asn
20 25 30
Gly Thr Leu Cys Pro Asn Ser Thr Ser Leu Cys Ser Phe Pro Glu
35 40 45
Met Trp Tyr Gly Val Phe Leu Trp Ala Leu Val Ser Ser Leu Phe
50 55 60
Phe His Val Pro Ala Gly Leu Leu Ala Leu Phe Thr Leu Arg His
65 70 75
His Lys Tyr Gly Arg Phe Met Ser Val Ser Ile Leu Leu Met Gly
80 85 90
Ile Val Gly Pro Ile Thr Ala Gly Ile Leu Thr Ser Ala Ala Ile
95 100 105
Ala Gly Val Tyr Arg Ala Ala Gly Lys Glu Met Ile Pro Phe Glu
110 115 120
Ala Leu Thr Leu Gly Thr Gly Gln Thr Phe Cys Val Leu Val Val
125 130 135
Ser Phe Leu Arg Ile Leu Ala Thr Leu
140

R1
<210> 21

<211> 221

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2061026

<400> 21

Met Ala Leu Ala Leu Ala Ala Leu Ala Ala Val Glu Pro Ala Cys
1 5 10 15
Gly Ser Arg Tyr Gln Gln Leu Gln Asn Glu Glu Glu Ser Gly Glu
20 25 30
Pro Glu Gln Ala Ala Gly Asp Ala Pro Pro Pro Tyr Ser Ser Ile
35 40 45
Ser Ala Glu Ser Ala Ala Tyr Phe Asp Tyr Lys Asp Glu Ser Gly
50 55 60
Phe Pro Lys Pro Pro Ser Tyr Asn Val Ala Thr Thr Leu Pro Ser
65 70 75
Tyr Asp Glu Ala Glu Arg Thr Lys Ala Glu Ala Thr Ile Pro Leu
80 85 90
Val Pro Gly Arg Asp Glu Asp Phe Val Gly Arg Asp Asp Phe Asp

95	100	105
Asp Ala Asp Gln Leu Arg Ile Gly Asn	Asp Gly Ile Phe Met	Leu
110	115	120
Thr Phe Phe Met Ala Phe Leu Phe Asn	Trp Ile Gly Phe Phe	Leu
125	130	135
Ser Phe Cys Leu Thr Thr Ser Ala Ala	Gly Arg Tyr Gly Ala	Ile
140	145	150
Ser Gly Phe Gly Leu Ser Leu Ile Lys	Trp Ile Leu Ile Val	Arg
155	160	165
Phe Ser Thr Tyr Phe Pro Gly Tyr Phe	Asp Gly Gln Tyr Trp	Leu
170	175	180
Trp Trp Val Phe Leu Val Leu Gly Phe	Leu Leu Phe Leu Arg	Gly
185	190	195
Phe Ile Asn Tyr Ala Lys Val Arg Lys	Met Pro Glu Thr Phe	Ser
200	205	210
Asn Leu Pro Arg Thr Arg Val Leu Phe	Ile Tyr	
215	220	

<210> 22

<211> 688

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2096687

<400> 22

Met Ser Ala Glu Ser Gly Pro Gly Thr Arg	Leu Arg Asn Leu Pro		
1	5	10	15
Val Met Gly Asp Gly Leu Glu Thr Ser Gln	Met Ser Thr Thr Gln		
20	25	30	
Ala Gln Ala Gln Pro Gln Pro Ala Asn Ala	Ala Ser Thr Asn Pro		
35	40	45	
Pro Pro Pro Glu Thr Ser Asn Pro Asn Lys	Pro Lys Arg Gln Thr		
50	55	60	
Asn Gln Leu Gln Tyr Leu Leu Arg Val Val	Leu Lys Thr Leu Trp		
65	70	75	
Lys His Gln Phe Ala Trp Pro Phe Gln Gln	Pro Val Asp Ala Val		
80	85	90	
Lys Leu Asn Leu Pro Asp Tyr Tyr Lys	Ile Ile Lys Thr Pro Met		
95	100	105	
Asp Met Gly Thr Ile Lys Lys Arg Leu Glu	Asn Asn Tyr Tyr Trp		
110	115	120	
Asn Ala Gln Glu Cys Ile Gln Asp Phe	Asn Thr Met Phe Thr Asn		
125	130	135	
Cys Tyr Ile Tyr Asn Lys Pro Gly Asp	Asp Ile Val Leu Met Ala		
140	145	150	
Glu Ala Leu Glu Lys Leu Phe Leu Gln	Lys Ile Asn Glu Leu Pro		
155	160	165	
Thr Glu Glu Thr Glu Ile Met Ile Val Gln	Ala Lys Gly Arg Gly		
170	175	180	
Arg Gly Arg Lys Glu Thr Gly Thr Ala	Lys Pro Gly Val Ser Thr		
185	190	195	

Val Pro Asn Thr Thr Gln Ala Ser Thr Pro Pro Gln Thr Gln Thr
 200 205 210
 Pro Gln Pro Asn Pro Pro Pro Val Gln Ala Thr Pro His Pro Phe
 215 220 225
 Pro Ala Val Thr Pro Asp Leu Ile Val Gln Thr Pro Val Met Thr
 230 235 240
 Val Val Pro Pro Gln Pro Leu Gln Thr Pro Pro Pro Val Pro Pro
 245 250 255
 Gln Pro Gln Pro Pro Ala Pro Ala Pro Gln Pro Val Gln Ser
 260 265 270
 His Pro Pro Ile Ile Ala Ala Thr Pro Gln Pro Val Lys Thr Lys
 275 280 285
 Lys Gly Val Lys Arg Lys Ala Asp Thr Thr Thr Pro Thr Thr Ile
 290 295 300
 Asp Pro Ile His Glu Pro Pro Ser Leu Pro Pro Glu Pro Lys Thr
 305 310 315
 Thr Lys Leu Gly Gln Arg Arg Glu Ser Ser Arg Pro Val Lys Pro
 320 325 330
 Pro Lys Lys Asp Val Pro Asp Ser Gln Gln His Pro Ala Pro Glu
 335 340 345
 Lys Ser Ser Lys Val Ser Glu Gln Leu Lys Cys Cys Ser Gly Ile
 350 355 360
 Leu Lys Glu Met Phe Ala Lys Lys His Ala Ala Tyr Ala Trp Pro
 365 370 375
 Phe Tyr Lys Pro Val Asp Val Glu Ala Leu Gly Leu His Asp Tyr
 380 385 390
 Cys Asp Ile Ile Lys His Pro Met Asp Met Ser Thr Ile Lys Ser
 395 400 405
 Lys Leu Glu Ala Arg Glu Tyr Arg Asp Ala Gln Glu Phe Gly Ala
 410 415 420
 Asp Val Arg Leu Met Phe Ser Asn Cys Tyr Lys Tyr Asn Pro Pro
 425 430 435
 Asp His Glu Val Val Ala Met Ala Arg Lys Leu Gln Asp Val Phe
 440 445 450
 Glu Met Arg Phe Ala Lys Met Pro Asp Glu Pro Glu Glu Pro Val
 455 460 465
 Val Ala Val Ser Ser Pro Ala Val Pro Pro Pro Thr Lys Val Val
 470 475 480
 Ala Pro Pro Ser Ser Asp Ser Ser Ser Asp Ser Ser Ser Asp
 485 490 495
 Ser Asp Ser Ser Thr Asp Asp Ser Glu Glu Glu Arg Ala Gln Arg
 500 505 510
 Leu Ala Glu Leu Gln Glu Gln Leu Lys Ala Val His Glu Gln Leu
 515 520 525
 Ala Ala Leu Ser Gln Pro Gln Gln Asn Lys Pro Lys Lys Lys Glu
 530 535 540
 Lys Asp Lys Lys Glu Lys Lys Glu Lys His Lys Arg Lys Glu
 545 550 555
 Glu Val Glu Glu Asn Lys Lys Ser Lys Ala Lys Glu Pro Pro Pro
 560 565 570
 Lys Lys Thr Lys Lys Asn Asn Ser Ser Asn Ser Asn Val Ser Lys
 575 580 585
 Lys Glu Pro Ala Pro Met Lys Ser Lys Pro Pro Pro Thr Tyr Glu
 590 595 600

Ser Glu Glu Glu Asp Lys Cys Lys Pro Met Ser Tyr Glu Glu Lys
 605 610 615
 Arg Gln Leu Ser Leu Asp Ile Asn Lys Leu Pro Gly Glu Lys Leu
 620 625 630
 Gly Arg Val Val His Ile Ile Gln Ser Arg Glu Pro Ser Leu Lys
 635 640 645
 Asn Ser Asn Pro Asp Glu Ile Glu Ile Asp Phe Glu Thr Leu Lys
 650 655 660
 Pro Ser Thr Leu Arg Glu Leu Gly Ala Leu Cys His Leu Leu Phe
 665 670 675
 Ala Glu Glu Lys Glu Thr Phe Lys Leu Arg Lys Leu Met
 680 685

<210> 23
 <211> 439
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 2100530

<220>
 <221> unsure
 <222> 434
 <223> unknown or other

<400> 23

Met	Gly	Ser	Gln	Glu	Val	Leu	Gly	His	Ala	Ala	Arg	Leu	Ala	Ser
1				5				10				15		
Ser	Gly	Leu	Leu	Leu	Gln	Val	Leu	Phe	Arg	Leu	Ile	Thr	Phe	Val
					20			25				30		
Leu	Asn	Ala	Phe	Ile	Leu	Arg	Phe	Leu	Ser	Lys	Glu	Ile	Val	Gly
					35			40			45			
Val	Val	Asn	Val	Arg	Leu	Thr	Leu	Leu	Tyr	Ser	Thr	Thr	Leu	Phe
					50			55			60			
Leu	Ala	Arg	Glu	Ala	Phe	Arg	Arg	Ala	Cys	Leu	Ser	Gly	Gly	Thr
					65			70			75			
Gln	Arg	Asp	Trp	Ser	Gln	Thr	Leu	Asn	Leu	Leu	Trp	Leu	Thr	Val
					80			85			90			
Pro	Leu	Gly	Val	Phe	Trp	Ser	Leu	Phe	Leu	Gly	Trp	Ile	Trp	Leu
					95			100			105			
Gln	Leu	Leu	Glu	Val	Pro	Asp	Pro	Asn	Val	Val	Pro	His	Tyr	Ala
					110			115			120			
Thr	Gly	Val	Val	Leu	Phe	Gly	Leu	Ser	Ala	Val	Val	Glu	Leu	Leu
					125			130			135			
Gly	Glu	Pro	Phe	Trp	Val	Leu	Ala	Gln	Ala	His	Met	Phe	Val	Lys
					140			145			150			
Leu	Lys	Val	Ile	Ala	Glu	Ser	Leu	Ser	Val	Ile	Leu	Lys	Ser	Val
					155			160			165			
Leu	Thr	Ala	Phe	Leu	Val	Leu	Trp	Leu	Pro	His	Trp	Gly	Leu	Tyr
					170			175			180			
Ile	Phe	Ser	Leu	Ala	Gln	Leu	Phe	Tyr	Thr	Thr	Val	Leu	Val	Leu
					185			190			195			

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Cys Tyr Val Ile Tyr Phe Thr Lys Leu Leu Gly Ser Pro Glu Ser
200 205 210
Thr Lys Leu Gln Thr Leu Pro Val Ser Arg Ile Thr Asp Leu Leu
215 220 225
Pro Asn Ile Thr Arg Asn Gly Ala Phe Ile Asn Trp Lys Glu Ala
230 235 240
Lys Leu Thr Trp Ser Phe Phe Lys Gln Ser Phe Leu Lys Gln Ile
245 250 255
Leu Thr Glu Gly Glu Arg Tyr Val Met Thr Phe Leu Asn Val Leu
260 265 270
Asn Phe Gly Asp Gln Gly Val Tyr Asp Ile Val Asn Asn Leu Gly
275 280 285
Ser Leu Val Ala Arg Leu Ile Phe Gln Pro Ile Glu Glu Ser Phe
290 295 300
Tyr Ile Phe Phe Ala Lys Val Leu Glu Arg Gly Lys Asp Ala Thr
305 310 315
Leu Gln Lys Gln Glu Asp Val Ala Val Ala Ala Ala Val Leu Glu
320 325 330
Ser Leu Leu Lys Leu Ala Leu Ala Gly Leu Thr Ile Thr Val
335 340 345
Phe Gly Phe Ala Tyr Ser Gln Leu Ala Leu Asp Ile Tyr Gly Gly
350 355 360
Thr Met Leu Ser Ser Gly Ser Gly Pro Val Leu Leu Arg Ser Tyr
365 370 375
Cys Leu Tyr Val Leu Leu Leu Ala Ile Asn Gly Val Thr Glu Cys
380 385 390
Phe Thr Phe Ala Ala Met Ser Lys Glu Glu Val Asp Arg Tyr Ser
395 400 405
Ser Ala Val Ser Arg Ala Gly Gln Pro Asp Trp His Thr Leu Leu
410 415 420
Trp Gly Pro Ser Val Trp Glu Gln Leu Ser Gly Gln His Xaa Ser
425 430 435
Gln Arg Pro Ser

<210> 24
<211> 192
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 2357636

<400> 24
Met Thr Ala Val Gly Val Gln Ala Gln Arg Pro Leu Gly Gln Arg
1 5 10 15
Gln Pro Arg Arg Ser Phe Phe Glu Ser Phe Ile Arg Thr Leu Ile
20 25 30
Ile Thr Cys Val Ala Leu Ala Val Val Leu Ser Ser Val Ser Ile
35 40 45
Cys Asp Gly His Trp Leu Leu Ala Glu Asp Arg Leu Phe Gly Leu
50 55 60
Trp His Phe Cys Thr Thr Asn Gln Ser Val Pro Ile Cys Phe

65	70	75
Arg Asp Leu Gly Gln Ala His Val Pro	Gly Leu Ala Val Gly Met	
80	85	90
Gly Leu Val Arg Ser Val Gly Ala Leu Ala Val Val Ala Ala Ile		
95	100	105
Phe Gly Leu Glu Phe Leu Met Val Ser Gln Leu Cys Glu Asp Lys		
110	115	120
His Ser Gln Cys Lys Trp Val Met Gly Ser Ile Leu Leu Leu Val		
125	130	135
Ser Phe Val Leu Ser Ser Gly Gly Leu Leu Gly Phe Val Ile Leu		
140	145	150
Leu Arg Asn Gln Val Thr Leu Ile Gly Phe Thr Leu Met Phe Trp		
155	160	165
Cys Glu Phe Thr Ala Ser Phe Leu Leu Phe Leu Asn Ala Ile Ser		
170	175	180
Gly Leu His Ile Asn Ser Ile Thr His Pro Trp Glu		
185	190	

Q1

<210> 25

<211> 175

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2365230

<400> 25

Met Lys Glu Val Thr Arg Thr Trp Lys Ile Val Gly Gly Val Thr			
1	5	10	15
His Ala Asn Ser Tyr Tyr Lys Asn Gly Trp Ile Val Met Ile Ala			
20	25	30	
Ile Gly Trp Ala Arg Gly Ala Gly Gly Thr Ile Ile Thr Asn Phe			
35	40	45	
Glu Arg Leu Val Lys Gly Asp Trp Lys Pro Glu Gly Asp Glu Trp			
50	55	60	
Leu Lys Met Ser Tyr Pro Ala Lys Val Thr Leu Leu Gly Ser Val			
65	70	75	
Ile Phe Thr Phe Gln His Thr Gln His Leu Ala Ile Ser Lys His			
80	85	90	
Asn Leu Met Phe Leu Tyr Thr Ile Phe Ile Val Ala Thr Lys Ile			
95	100	105	
Thr Met Met Thr Thr Gln Thr Ser Thr Met Thr Phe Ala Pro Phe			
110	115	120	
Glu Asp Thr Leu Ser Trp Met Leu Phe Gly Trp Gln Gln Pro Phe			
125	130	135	
Ser Ser Cys Glu Lys Lys Ser Glu Ala Lys Ser Pro Ser Asn Gly			
140	145	150	
Val Gly Ser Leu Ala Ser Lys Pro Val Asp Val Ala Ser Asp Asn			
155	160	165	
Val Lys Lys Lys His Thr Lys Lys Asn Glu			
170	175		

<210> 26

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<211> 91

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2455121

<400> 26

Met Tyr Pro Pro Pro Pro Pro His Arg Asp Phe Ile Ser
1 5 10 15
Val Thr Leu Ser Phe Gly Glu Ser Tyr Asp Asn Ser Lys Ser Trp
20 25 30
Arg Arg Arg Ser Cys Trp Arg Lys Trp Lys Gln Leu Ser Arg Leu
35 40 45
Gln Arg Asn Met Ile Leu Phe Leu Ala Phe Leu Leu Phe Cys
50 55 60
Gly Leu Leu Phe Tyr Ile Asn Leu Ala Asp His Trp Lys Ala Leu
65 70 75
Ala Phe Arg Leu Gly Glu Gln Lys Met Arg Pro Glu Ile Ala
80 85 90
Gly

A1

<210> 27

<211> 214

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2472514

<400> 27

Met Gln Pro Thr Ser Trp Ala Val Ser Cys Gly Leu Arg Pro Leu
1 5 10 15
Pro Ser Trp Lys Pro Gln Gly Gly Glu Gly Arg Gly Gly Glu Glu
20 25 30
Arg Arg Gly Thr Val Met Gly Pro Trp Ser Arg Val Arg Val Ala
35 40 45
Lys Cys Gln Met Leu Val Thr Cys Phe Phe Ile Leu Leu Leu Gly
50 55 60
Leu Ser Val Ala Thr Met Val Thr Leu Thr Tyr Phe Gly Ala His
65 70 75
Phe Ala Val Ile Arg Arg Ala Ser Leu Glu Lys Asn Pro Tyr Gln
80 85 90
Ala Val His Gln Trp Ala Phe Ser Ala Gly Leu Ser Leu Val Gly
95 100 105
Leu Leu Thr Leu Gly Ala Val Leu Ser Ala Ala Ala Thr Val Arg
110 115 120
Glu Ala Gln Gly Leu Met Ala Gly Gly Phe Leu Cys Phe Ser Leu
125 130 135
Ala Phe Cys Ala Gln Val Gln Val Val Phe Trp Arg Leu His Ser
140 145 150

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Pro Thr Gln Val Glu Asp Ala Met Leu Asp Thr Tyr Asp Leu Val
155 160 165
Tyr Glu Gln Ala Met Lys Gly Thr Ser His Val Arg Arg Gln Glu
170 175 180
Leu Ala Ala Ile Gln Asp Val Val Ser Val Gly Thr Ala Gly Trp
185 190 195
Gln Gly Gln Gln Leu Leu Leu Gly Leu Gln Phe Arg Glu Gln Ala
200 205 210
Gln Gly Gly Gln

<210> 28

<211> 250

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2543486

Gl
<400> 28

Met Ser Val Ile Phe Phe Ala Cys Val Val Arg Val Arg Asp Gly
1 5 10 15
Leu Pro Leu Ser Ala Ser Thr Asp Phe Tyr His Thr Gln Asp Phe
20 25 30
Leu Glu Trp Arg Arg Leu Lys Ser Leu Ala Leu Arg Leu Ala
35 40 45
Gln Tyr Pro Gly Arg Gly Ser Ala Glu Gly Cys Asp Phe Ser Ile
50 55 60
His Phe Ser Ser Phe Gly Asp Val Ala Cys Met Ala Ile Cys Ser
65 70 75
Cys Gln Cys Pro Ala Ala Met Ala Phe Cys Phe Leu Glu Thr Leu
80 85 90
Trp Trp Glu Phe Thr Ala Ser Tyr Asp Thr Thr Cys Ile Gly Leu
95 100 105
Ala Ser Arg Pro Tyr Ala Phe Leu Glu Phe Asp Ser Ile Ile Gln
110 115 120
Lys Val Lys Trp His Phe Asn Tyr Val Ser Ser Ser Gln Met Glu
125 130 135
Cys Ser Leu Glu Lys Ile Gln Glu Leu Lys Leu Gln Pro Pro
140 145 150
Ala Val Leu Thr Leu Glu Asp Thr Asp Val Ala Asn Gly Val Met
155 160 165
Asn Gly His Thr Pro Met His Leu Glu Pro Ala Pro Asn Phe Arg
170 175 180
Met Glu Pro Val Thr Ala Leu Gly Ile Leu Ser Leu Ile Leu Asn
185 190 195
Ile Met Cys Ala Ala Leu Asn Leu Ile Arg Gly Val His Leu Ala
200 205 210
Glu His Ser Leu Gln Val Ala His Glu Glu Ile Gly Asn Ile Leu
215 220 225
Ala Phe Leu Val Pro Phe Val Ala Cys Ile Phe Gln Asp Pro Arg
230 235 240
Ser Trp Phe Cys Trp Leu Asp Gln Thr Ser

245

250

<210> 29

<211> 84

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2778171

<400> 29

Met	Ala	Thr	Gly	Thr	Asp	Gln	Val	Val	Gly	Leu	Gly	Leu	Val	Ala
1							5		10				15	
Val	Ser	Leu	Ile	Ile	Phe	Thr	Tyr	Tyr	Thr	Ala	Trp	Val	Ile	Leu
							20		25				30	
Leu	Pro	Phe	Ile	Asp	Ser	Gln	His	Val	Ile	His	Lys	Tyr	Phe	Leu
							35		40				45	
Pro	Arg	Ala	Tyr	Ala	Val	Ala	Ile	Pro	Leu	Ala	Ala	Gly	Leu	Leu
							50		55				60	
Leu	Leu	Leu	Phe	Val	Gly	Leu	Phe	Ile	Ser	Tyr	Val	Met	Leu	Lys
							65		70				75	
Ser	Lys	Arg	Val	Thr	Lys	Lys	Ala	Gln						
							30							

<210> 30

<211> 277

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2799575

<400> 30

Met	Ala	Ser	Ala	Glu	Leu	Asp	Tyr	Thr	Ile	Glu	Ile	Pro	Asp	Gln
1							5		10				15	
Pro	Cys	Trp	Ser	Gln	Lys	Asn	Ser	Pro	Ser	Pro	Gly	Gly	Lys	Glu
							20		25				30	
Ala	Glu	Thr	Arg	Gln	Pro	Val	Val	Ile	Leu	Leu	Gly	Trp	Gly	Gly
							35		40				45	
Cys	Lys	Asp	Lys	Asn	Leu	Ala	Lys	Tyr	Ser	Ala	Ile	Tyr	His	Lys
							50		55				60	
Arg	Gly	Cys	Ile	Val	Ile	Arg	Tyr	Thr	Ala	Pro	Trp	His	Met	Val
							65		70				75	
Phe	Phe	Ser	Glu	Ser	Leu	Gly	Ile	Pro	Ser	Leu	Arg	Val	Leu	Ala
							80		85				90	
Gln	Lys	Leu	Leu	Glu	Leu	Leu	Phe	Asp	Tyr	Glu	Ile	Glu	Lys	Glu
							95		100				105	
Pro	Leu	Leu	Phe	His	Val	Phe	Ser	Asn	Gly	Gly	Val	Met	Leu	Tyr
							110		115				120	
Arg	Tyr	Val	Leu	Glu	Leu	Leu	Gln	Thr	Arg	Arg	Phe	Cys	Arg	Leu
							125		130				135	
Arg	Val	Val	Gly	Thr	Ile	Phe	Asp	Ser	Ala	Pro	Gly	Asp	Ser	Asn

140 145 150
 Leu Val Gly Ala Leu Arg Ala Leu Ala Ala Ile Leu Glu Arg Arg
 155 160 165
 Ala Ala Met Leu Arg Leu Leu Leu Val Ala Phe Ala Leu Val
 170 175 180
 Val Val Leu Phe His Val Leu Leu Ala Pro Ile Thr Ala Leu Phe
 185 190 195
 His Thr His Phe Tyr Asp Arg Leu Gln Asp Ala Gly Ser Arg Trp
 200 205 210
 Pro Glu Leu Tyr Leu Tyr Ser Arg Ala Asp Glu Val Val Leu Ala
 215 220 225
 Arg Asp Ile Glu Arg Met Val Glu Ala Arg Leu Ala Arg Arg Val
 230 235 240
 Leu Ala Arg Ser Val Asp Phe Val Ser Ser Ala His Val Ser His
 245 250 255
 Leu Arg Asp Tyr Pro Thr Tyr Tyr Thr Ser Leu Cys Val Asp Phe
 260 265 270
 Met Arg Asn Cys Val Arg Cys
 275

<210> 31

<211> 273

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2804955

<400> 31

Met Ser Gly Ser Gln Ser Glu Val Ala Pro Ser Pro Gln Ser Pro
 1 5 10 15
 Arg Ser Pro Glu Met Gly Arg Asp Leu Arg Pro Gly Ser Arg Val
 20 25 30
 Leu Leu Leu Leu Leu Leu Leu Val Tyr Leu Thr Gln Pro
 35 40 45
 Gly Asn Gly Asn Glu Gly Ser Val Thr Gly Ser Cys Tyr Cys Gly
 50 55 60
 Lys Arg Ile Ser Ser Asp Ser Pro Pro Ser Val Gln Phe Met Asn
 65 70 75
 Arg Leu Arg Lys His Leu Arg Ala Tyr His Arg Cys Leu Tyr Tyr
 80 85 90
 Thr Arg Phe Gln Leu Leu Ser Trp Ser Val Cys Gly Gly Asn Lys
 95 100 105
 Asp Pro Trp Val Gln Glu Leu Met Ser Cys Leu Asp Leu Lys Glu
 110 115 120
 Cys Gly His Ala Tyr Ser Gly Ile Val Ala His Gln Lys His Leu
 125 130 135
 Leu Pro Thr Ser Pro Pro Ile Ser Gln Ala Ser Glu Gly Ala Ser
 140 145 150
 Ser Asp Ile His Thr Pro Ala Gln Met Leu Leu Ser Thr Leu Gln
 155 160 165
 Ser Thr Gln Arg Pro Thr Leu Pro Val Gly Ser Leu Ser Ser Asp
 170 175 180

Lys Glu Leu Thr Arg Pro Asn Glu Thr Thr Ile His Thr Ala Gly
 185 190 195
 His Ser Leu Ala Ala Gly Pro Glu Ala Gly Glu Asn Gln Lys Gln
 200 205 210
 Pro Glu Lys Asn Ala Gly Pro Thr Ala Arg Thr Ser Ala Thr Val
 215 220 225
 Pro Val Leu Cys Leu Leu Ala Ile Ile Phe Ile Leu Thr Ala Ala
 230 235 240
 Leu Ser Tyr Val Leu Cys Lys Arg Arg Arg Gly Gln Ser Pro Gln
 245 250 255
 Ser Ser Pro Asp Leu Pro Val His Tyr Ile Pro Val Ala Pro Asp
 260 265 270
 Ser Asn Thr

Ar

<210> 32
<211> 524
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 2806395

<400> 32
Met Ser Gln Gly Ser Pro Gly Asp Trp Ala Pro Leu Asp Pro Thr
 1 5 10 15
Pro Gly Pro Pro Ala Ser Pro Asn Pro Phe Val His Glu Leu His
 20 25 30
Leu Ser Arg Leu Gln Arg Val Lys Phe Cys Leu Leu Gly Ala Leu
 35 40 45
Leu Ala Pro Ile Arg Val Leu Leu Ala Phe Ile Val Leu Phe Leu
 50 55 60
Leu Trp Pro Phe Ala Trp Leu Gln Val Ala Gly Leu Ser Glu Glu
 65 70 75
Gln Leu Gln Glu Pro Ile Thr Gly Trp Arg Lys Thr Val Cys His
 80 85 90
Asn Gly Val Leu Gly Leu Ser Arg Leu Leu Phe Phe Leu Leu Gly
 95 100 105
Phe Leu Arg Ile Arg Val Arg Gly Gln Arg Ala Ser Arg Leu Gln
 110 115 120
Ala Pro Val Leu Val Ala Ala Pro His Ser Thr Phe Phe Asp Pro
 125 130 135
Ile Val Leu Leu Pro Cys Asp Leu Pro Lys Val Val Ser Arg Ala
 140 145 150
Glu Asn Leu Ser Val Pro Val Ile Gly Ala Leu Leu Arg Phe Asn
 155 160 165
Gln Ala Ile Leu Val Ser Arg His Asp Pro Ala Ser Arg Arg Arg
 170 175 180
Val Val Glu Glu Val Arg Arg Arg Ala Thr Ser Gly Gly Lys Trp
 185 190 195
Pro Gln Val Leu Phe Phe Pro Glu Gly Thr Cys Ser Asn Lys Lys
 200 205 210
Ala Leu Leu Lys Phe Lys Pro Gly Ala Phe Ile Ala Gly Val Pro

215 220 225
 Val Gln Pro Val Leu Ile Arg Tyr Pro Asn Ser Leu Asp Thr Thr
 230 235 240
 Ser Trp Ala Trp Arg Gly Pro Gly Val Leu Lys Val Leu Trp Leu
 245 250 255
 Thr Ala Ser Gln Pro Cys Ser Ile Val Asp Val Glu Phe Leu Pro
 260 265 270
 Val Tyr His Pro Ser Pro Glu Glu Ser Arg Asp Pro Thr Leu Tyr
 275 280 285
 Ala Asn Asn Val Gln Arg Val Met Ala Gln Ala Leu Gly Ile Pro
 290 295 300
 Ala Thr Glu Cys Glu Phe Val Gly Ser Leu Pro Val Ile Val Val
 305 310 315
 Gly Arg Leu Lys Val Ala Leu Glu Pro Gln Leu Trp Glu Leu Gly
 320 325 330
 Lys Val Leu Arg Lys Ala Gly Leu Ser Ala Gly Tyr Val Asp Ala
 335 340 345
 Gly Ala Glu Pro Gly Arg Ser Arg Met Ile Ser Gln Glu Glu Phe
 350 355 360
 Ala Arg Gln Leu Gln Leu Ser Asp Pro Gln Thr Val Ala Gly Ala
 365 370 375
 Phe Gly Tyr Phe Gln Gln Asp Thr Lys Gly Leu Val Asp Phe Arg
 380 385 390
 Asp Val Ala Leu Ala Leu Ala Leu Asp Gly Gly Arg Ser Leu
 395 400 405
 Glu Glu Leu Thr Arg Leu Ala Phe Glu Leu Phe Ala Glu Glu Gln
 410 415 420
 Ala Glu Gly Pro Asn Arg Leu Leu Tyr Lys Asp Gly Phe Ser Thr
 425 430 435
 Ile Leu His Leu Leu Gly Ser Pro His Pro Ala Ala Thr Ala
 440 445 450
 Leu His Ala Glu Leu Cys Gln Ala Gly Ser Ser Gln Gly Leu Ser
 455 460 465
 Leu Cys Gln Phe Gln Asn Phe Ser Leu His Asp Pro Leu Tyr Gly
 470 475 480
 Lys Leu Phe Ser Thr Tyr Leu Arg Pro Pro His Thr Ser Arg Gly
 485 490 495
 Thr Ser Gln Thr Pro Asn Ala Ser Ser Pro Gly Asn Pro Thr Ala
 500 505 510
 Leu Ala Asn Gly Thr Val Gln Ala Pro Lys Gln Lys Gly Asp
 515 520

<210> 33
<211> 257
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 2836858

<400> 33
Met Asp Phe Ser Arg Leu His Met Tyr Ser Pro Pro Gln Cys Val
 1 5 10 15

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Q1
Pro Glu Asn Thr Gly Tyr Thr Tyr Ala Leu Ser Ser Ser Tyr Ser
20 25 30
Ser Asp Ala Leu Asp Phe Glu Thr Glu His Lys Leu Asp Pro Val
35 40 45
Phe Asp Ser Pro Arg Met Ser Arg Arg Ser Leu Arg Leu Ala Thr
50 55 60
Thr Ala Cys Thr Leu Gly Asp Gly Glu Ala Val Gly Ala Asp Ser
65 70 75
Gly Thr Ser Ser Ala Val Ser Leu Lys Asn Arg Ala Ala Arg Thr
80 85 90
Thr Lys Gln Arg Arg Ser Thr Asn Lys Ser Ala Phe Ser Ile Asn
95 100 105
His Val Ser Arg Gln Val Thr Ser Ser Gly Val Ser His Gly Gly
110 115 120
Thr Val Ser Leu Gln Asp Ala Val Thr Arg Arg Pro Pro Val Leu
125 130 135
Asp Glu Ser Trp Ile Arg Glu Gln Thr Thr Val Asp His Phe Trp
140 145 150
Gly Leu Asp Asp Asp Gly Asp Leu Lys Gly Gly Asn Lys Ala Ala
155 160 165
Ile Gln Gly Asn Gly Asp Val Gly Ala Ala Ala Ala Thr Ala His
170 175 180
Asn Gly Phe Ser Cys Ser Asn Cys Ser Met Leu Ser Glu Arg Lys
185 190 195
Asp Val Leu Thr Ala His Pro Ala Ala Pro Gly Pro Val Ser Arg
200 205 210
Val Tyr Ser Arg Asp Arg Asn Gln Lys Cys Lys Ser Gln Ser Phe
215 220 225
Lys Thr Gln Lys Lys Val Cys Phe Pro Asn Leu Ile Phe Pro Phe
230 235 240
Cys Lys Ser Gln Cys Leu His Tyr Leu Ser Trp Arg Leu Lys Ile
245 250 255
Ile Pro

<210> 34
<211> 274
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 2844513

<400> 34
Met Arg Ala Ala Gly Val Gly Leu Val Asp Cys His Cys His Leu
1 5 10 15
Ser Ala Pro Asp Phe Asp Arg Asp Leu Asp Asp Val Leu Glu Lys
20 25 30
Ala Lys Lys Ala Asn Val Val Ala Leu Val Ala Val Ala Glu His
35 40 45
Ser Gly Glu Phe Glu Lys Ile Met Gln Leu Ser Glu Arg Tyr Asn
50 55 60
Gly Phe Val Leu Pro Cys Leu Gly Val His Pro Val Gln Gly Leu

65 70 75

Pro	Pro	Glu	Asp	Gln	Arg	Ser	Val	Thr	Leu	Lys	Asp	Leu	Asp	Val
									85					90
Ala	Leu	Pro	Ile	Ile	Glu	Asn	Tyr	Lys	Asp	Arg	Leu	Leu	Ala	Ile
								95		100				105
Gly	Glu	Val	Gly	Leu	Asp	Phe	Ser	Pro	Arg	Phe	Ala	Gly	Thr	Gly
								110		115				120
Glu	Gln	Lys	Glu	Glu	Gln	Arg	Gln	Val	Leu	Ile	Arg	Gln	Ile	Gln
								125		130				135
Leu	Ala	Lys	Arg	Leu	Asn	Leu	Pro	Val	Asn	Val	His	Ser	Arg	Ser
								140		145				150
Ala	Gly	Arg	Pro	Thr	Ile	Asn	Leu	Leu	Gln	Glu	Gln	Gly	Ala	Glu
								155		160				165
Lys	Val	Leu	Leu	His	Ala	Phe	Asp	Gly	Arg	Pro	Ser	Val	Ala	Met
								170		175				180
Glu	Gly	Val	Arg	Ala	Gly	Tyr	Phe	Phe	Ser	Ile	Pro	Pro	Ser	Ile
								185		190				195
Ile	Arg	Ser	Gly	Gln	Lys	Gln	Lys	Leu	Val	Lys	Gln	Leu	Pro	Leu
								200		205				210
Thr	Ser	Ile	Cys	Leu	Glu	Thr	Asp	Ser	Pro	Ala	Leu	Gly	Pro	Glu
								215		220				225
Lys	Gln	Val	Arg	Asn	Glu	Pro	Trp	Asn	Ile	Ser	Ile	Ser	Ala	Glu
								230		235				240
Tyr	Ile	Ala	Gln	Val	Lys	Gly	Ile	Ser	Val	Glu	Glu	Val	Ile	Glu
								245		250				255
Val	Thr	Thr	Gln	Asn	Ala	Leu	Lys	Leu	Phe	Pro	Lys	Leu	Arg	His
								260		265				270
Leu	Leu	Gln	Lys											

<210> 35
<211> 281
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 3000380

<400> 35

Met	Ser	Glu	Pro	Gln	Pro	Asp	Leu	Glu	Pro	Pro	Gln	His	Gly	Leu
							1	5		10				15
Tyr	Met	Leu	Phe	Leu	Leu	Val	Leu	Val	Phe	Phe	Leu	Met	Gly	Leu
								20		25				30
Val	Gly	Phe	Met	Ile	Cys	His	Val	Leu	Lys	Lys	Lys	Gly	Tyr	Arg
								35		40				45
Cys	Arg	Thr	Ser	Arg	Gly	Ser	Glu	Pro	Asp	Asp	Ala	Gln	Leu	Gln
								50		55				60
Pro	Pro	Glu	Asp	Asp	Asp	Met	Asn	Glu	Asp	Thr	Val	Glu	Arg	Ile
								65		70				75
Val	Arg	Cys	Ile	Ile	Gln	Asn	Glu	Val	Trp	Met	Pro	Pro	Pro	Ala
								80		85				90
Cys	Arg	Thr	Glu	Pro	Pro	Pro	Ile	Ile	Thr	Gln	Cys	Thr	Trp	Ala
								95		100				105

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Leu Gln Pro Leu Ala Val His Cys Ser Arg Ser Lys Arg Pro Pro
110 115 120
Leu Val Arg Gln Gly Arg Ser Lys Glu Gly Lys Ser Arg Pro Arg
125 130 135
Thr Gly Glu Thr Thr Val Phe Ser Val Gly Arg Phe Arg Val Thr
140 145 150
His Ile Glu Lys Arg Tyr Gly Leu His Glu His Arg Asp Gly Ser
155 160 165
Pro Thr Asp Arg Ser Trp Gly Ser Arg Gly Gly Gln Asp Pro Gly
170 175 180
Gly Gly Gln Gly Ser Gly Gly His Pro Lys Ala Gly Met Leu
185 190 195
Pro Trp Arg Gly Cys Pro Pro Glu Arg Pro Gln Pro Gln Val Leu
200 205 210
Ala Ser Pro Pro Val Gln Asn Gly Gly Leu Arg Asp Ser Ser Leu
215 220 225
Thr Pro Arg Ala Leu Glu Gly Asn Pro Arg Ala Ser Ala Glu Pro
230 235 240
Thr Leu Arg Ala Gly Gly Arg Gly Pro Ser Pro Gly Leu Pro Thr
245 250 255
Gln Glu Ala Asn Gly Gln Pro Ser Lys Pro Asp Thr Ser Asp His
260 265 270
Gln Val Ser Leu Pro Gln Gly Ala Gly Ser Met
275 280

<210> 36

<211> 335

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 182532

<400> 36

Met Gly Pro Leu Ser Ala Pro Pro Cys Thr His Leu Ile Thr Trp
1 5 10 15
Lys Gly Val Leu Leu Thr Ala Ser Leu Leu Asn Phe Trp Asn Pro
20 25 30
Pro Thr Thr Ala Gln Val Thr Ile Glu Ala Gln Pro Pro Lys Val
35 40 45
Ser Glu Gly Lys Asp Val Leu Leu Leu Val His Asn Leu Pro Gln
50 55 60
Asn Leu Ala Gly Tyr Ile Trp Tyr Lys Gly Gln Met Thr Tyr Val
65 70 75
Tyr His Tyr Ile Ile Ser Tyr Ile Val Asp Gly Lys Ile Ile Ile
80 85 90
Tyr Gly Pro Ala Tyr Ser Gly Arg Glu Arg Val Tyr Ser Asn Ala
95 100 105
Ser Leu Leu Ile Gln Asn Val Thr Gln Glu Asp Ala Gly Ser Tyr
110 115 120
Thr Leu His Ile Ile Lys Arg Gly Asp Gly Thr Arg Gly Glu Thr
125 130 135
Gly His Phe Thr Phe Thr Leu Tyr Leu Glu Thr Pro Lys Pro Ser

140	145	150
Ile Ser Ser Ser Asn Leu Tyr Pro Arg	Glu Asp Met Glu Ala Val	
155	160	165
Ser Leu Thr Cys Asp Pro Glu Thr Pro Asp Ala Ser Tyr Leu Trp		
170	175	180
Trp Met Asn Gly Gln Ser Leu Pro Met Thr His Ser Leu Gln Leu		
185	190	195
Ser Lys Asn Lys Arg Thr Leu Phe Leu Phe Gly Val Thr Lys Tyr		
200	205	210
Thr Ala Gly Pro Tyr Glu Cys Glu Ile Arg Asn Pro Val Ser Gly		
215	220	225
Ile Arg Ser Asp Pro Val Thr Leu Asn Val Leu Tyr Gly Pro Asp		
230	235	240
Leu Pro Ser Ile Tyr Pro Ser Phe Thr Tyr Tyr Arg Ser Gly Glu		
245	250	255
Asn Leu Tyr Leu Ser Cys Phe Ala Glu Ser Asn Pro Arg Ala Gln		
260	265	270
Tyr Ser Trp Thr Ile Asn Gly Lys Phe Gln Leu Ser Gly Gln Lys		
275	280	285
Leu Phe Ile Pro Gln Ile Thr Thr Lys His Ser Gly Leu Tyr Ala		
290	295	300
Cys Ser Val Arg Asn Ser Ala Thr Gly Met Glu Ser Ser Lys Ser		
305	310	315
Met Thr Val Lys Val Ser Ala Pro Ser Gly Thr Gly His Leu Pro		
320	325	330
Gly Leu Asn Pro Leu		
335		

<210> 37

<211> 280

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 239589

<400> 37

Met Asp Leu Gln Gly Arg Gly Val Pro Ser Ile Asp Arg Leu Arg			
1	5	10	15
Val Leu Leu Met Leu Phe His Thr Met Ala Gln Ile Met Ala Glu			
20	25	30	
Gln Glu Val Glu Asn Leu Ser Gly Leu Ser Thr Asn Pro Glu Lys			
35	40	45	
Asp Ile Phe Val Val Arg Glu Asn Gly Thr Thr Cys Leu Met Ala			
50	55	60	
Glu Phe Ala Ala Lys Phe Ile Val Pro Tyr Asp Val Trp Ala Ser			
65	70	75	
Asn Tyr Val Asp Leu Ile Thr Glu Gln Ala Asp Ile Ala Leu Thr			
80	85	90	
Arg Gly Ala Glu Val Lys Gly Arg Cys Gly His Ser Gln Ser Glu			
95	100	105	
Leu Gln Val Phe Trp Val Asp Arg Ala Tyr Ala Leu Lys Met Leu			
110	115	120	

Phe Val Lys Glu Ser His Asn Met Ser Lys Gly Pro Glu Ala Thr
 125 130 135
 Trp Arg Leu Ser Lys Val Gln Phe Val Tyr Asp Ser Ser Glu Lys
 140 145 150
 Thr His Phe Lys Asp Ala Val Ser Ala Gly Lys His Thr Ala Asn
 155 160 165
 Ser His His Leu Ser Ala Leu Val Thr Pro Ala Gly Lys Ser Tyr
 170 175 180
 Glu Cys Gln Ala Gln Gln Thr Ile Ser Leu Ala Ser Ser Asp Pro
 185 190 195
 Gln Lys Thr Val Thr Met Ile Leu Ser Ala Val His Ile Gln Pro
 200 205 210
 Phe Asp Ile Ile Ser Asp Phe Val Phe Ser Glu Glu His Lys Cys
 215 220 225
 Pro Val Asp Glu Arg Glu Gln Leu Glu Glu Thr Leu Pro Leu Ile
 230 235 240
 Leu Gly Leu Ile Leu Gly Leu Val Ile Met Val Thr Leu Ala Ile
 245 250 255
 Tyr His Val His His Lys Met Thr Ala Asn Gln Val Gln Ile Pro
 260 265 270
 Arg Asp Arg Ser Gln Tyr Lys His Met Gly
 275 280

<210> 38

<211> 210

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1671302

<400> 38

Met Ser Arg Met Phe Cys Gln Ala Ala Arg Val Asp Leu Thr Leu
 1 5 10 15
 Asp Pro Asp Thr Ala His Pro Ala Leu Met Leu Ser Pro Asp Arg
 20 25 30
 Arg Gly Val Arg Leu Ala Glu Arg Arg Gln Glu Val Ala Asp His
 35 40 45
 Pro Lys Arg Phe Ser Ala Asp Cys Cys Val Leu Gly Ala Gln Gly
 50 55 60
 Phe Arg Ser Gly Arg His Tyr Trp Glu Val Glu Val Gly Gly Arg
 65 70 75
 Arg Gly Trp Ala Val Gly Ala Ala Arg Glu Ser Thr His His Lys
 80 85 90
 Glu Lys Val Gly Pro Gly Gly Ser Ser Val Gly Ser Gly Asp Ala
 95 100 105
 Ser Ser Ser Arg His His His Arg Arg Arg Arg Leu His Leu Pro
 110 115 120
 Gln Gln Pro Leu Leu Gln Arg Glu Val Trp Cys Val Gly Thr Asn
 125 130 135
 Gly Lys Arg Tyr Gln Ala Gln Ser Ser Thr Glu Gln Thr Leu Leu
 140 145 150
 Ser Pro Ser Glu Lys Pro Arg Arg Phe Gly Val Tyr Leu Asp Tyr

155	160	165
Glu Ala Gly Arg Leu Gly Phe Tyr Asn Ala Glu Thr Leu Ala His		
170	175	180
Val His Thr Phe Ser Ala Ala Phe Leu Gly Glu Arg Val Phe Pro		
185	190	195
Phe Phe Arg Val Leu Ser Lys Gly Thr Arg Ile Lys Leu Cys Pro		
200	205	210

<210> 39
<211> 279
<212> PRT
<213> Homo sapiens

Q1
<220>
<221> misc_feature
<223> Incyte ID No: 2041858

<400> 39		
Met Glu Ala Val Val Asn Leu Tyr Gln Glu Val Met Lys His Ala		
1	5	10
Asp Pro Arg Ile Gln Gly Tyr Pro Leu Met Gly Ser Pro Leu Leu		
20	25	30
Met Thr Ser Ile Leu Leu Thr Tyr Val Tyr Phe Val Leu Ser Leu		
35	40	45
Gly Pro Arg Ile Met Ala Asn Arg Lys Pro Phe Gln Leu Arg Gly		
50	55	60
Phe Met Ile Val Tyr Asn Phe Ser Leu Val Ala Leu Ser Leu Tyr		
65	70	75
Ile Val Tyr Glu Phe Leu Met Ser Gly Trp Leu Ser Thr Tyr Thr		
80	85	90
Trp Arg Cys Asp Pro Val Asp Tyr Ser Asn Ser Pro Glu Ala Leu		
95	100	105
Arg Met Val Arg Val Ala Trp Leu Phe Leu Phe Ser Lys Phe Ile		
110	115	120
Glu Leu Met Asp Thr Val Ile Phe Ile Leu Arg Lys Lys Asp Gly		
125	130	135
Gln Val Thr Phe Leu His Val Phe His His Ser Val Leu Pro Trp		
140	145	150
Ser Trp Trp Trp Gly Val Lys Ile Ala Pro Gly Gly Met Gly Ser		
155	160	165
Phe His Ala Met Ile Asn Ser Ser Val His Val Ile Met Tyr Leu		
170	175	180
Tyr Tyr Gly Leu Ser Ala Phe Gly Pro Val Ala Gln Pro Tyr Leu		
185	190	195
Trp Trp Lys Lys His Met Thr Ala Ile Gln Leu Ile Gln Phe Val		
200	205	210
Leu Val Ser Leu His Ile Ser Gln Tyr Tyr Phe Met Ser Ser Cys		
215	220	225
Asn Tyr Gln Tyr Pro Val Ile Ile His Leu Ile Trp Met Tyr Gly		
230	235	240
Thr Ile Phe Phe Met Leu Phe Ser Asn Phe Trp Tyr His Ser Tyr		
245	250	255
Thr Lys Gly Lys Arg Leu Pro Arg Ala Leu Gln Gln Asn Gly Ala		

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260 265 270
Pro Gly Ile Ala Lys Val Lys Ala Asn
275

<210> 40
<211> 154
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 2198863

A1
<400> 40
Met Gly Lys Ser Ala Ser Lys Gln Phe His Asn Glu Val Leu Lys
1 5 10 15
Ala His Asn Glu Tyr Arg Gln Lys His Gly Val Pro Pro Leu Lys
20 25 30
Leu Cys Lys Asn Leu Asn Arg Glu Ala Gln Gln Tyr Ser Glu Ala
35 40 45
Leu Ala Ser Thr Arg Ile Leu Lys His Ser Pro Glu Ser Ser Arg
50 55 60
Gly Gln Cys Gly Glu Asn Leu Ala Trp Ala Ser Tyr Asp Gln Thr
65 70 75
Gly Lys Glu Val Ala Asp Arg Trp Tyr Ser Glu Ile Lys Asn Tyr
80 85 90
Asn Phe Gln Gln Pro Gly Phe Thr Ser Gly Thr Gly His Phe Thr
95 100 105
Ala Met Val Trp Lys Asn Thr Lys Lys Met Gly Val Gly Lys Ala
110 115 120
Ser Ala Ser Asp Gly Ser Ser Phe Val Val Ala Arg Tyr Phe Pro
125 130 135
Ala Gly Asn Val Val Asn Glu Gly Phe Phe Glu Glu Asn Val Leu
140 145 150
Pro Pro Lys Lys

<210> 41
<211> 582
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 3250703

<400> 41
Met Lys Pro Asn Ile Ile Phe Val Leu Ser Leu Leu Leu Ile Leu
1 5 10 15
Glu Lys Gln Ala Ala Val Met Gly Gln Lys Gly Gly Ser Lys Gly
20 25 30
Arg Leu Pro Ser Glu Phe Ser Gln Phe Pro His Gly Gln Lys Gly
35 40 45
Gln His Tyr Ser Gly Gln Lys Gly Lys Gln Gln Thr Glu Ser Lys

50 55 60
 Gly Ser Phe Ser Ile Gln Tyr Thr Tyr His Val Asp Ala Asn Asp
 65 70 75
 His Asp Gln Ser Arg Lys Ser Gln Gln Tyr Asp Leu Asn Ala Leu
 80 85 90
 His Lys Thr Thr Lys Ser Gln Arg His Leu Gly Gly Ser Gln Gln
 95 100 105
 Leu Leu His Asn Lys Gln Glu Gly Arg Asp His Asp Lys Ser Lys
 110 115 120
 Gly His Phe His Arg Val Val Ile His His Lys Gly Gly Lys Ala
 125 130 135
 His Arg Gly Thr Gln Asn Pro Ser Gln Asp Gln Gly Asn Ser Pro
 140 145 150
 Ser Gly Lys Gly Ile Ser Ser Gln Tyr Ser Asn Thr Glu Glu Arg
 155 160 165
 Leu Trp Val His Gly Leu Ser Lys Glu Gln Thr Ser Val Ser Gly
 170 175 180
 Ala Gln Lys Gly Arg Lys Gln Gly Gly Ser Gln Ser Ser Tyr Val
 185 190 195
 Leu Gln Thr Glu Glu Leu Val Ala Asn Lys Gln Gln Arg Glu Thr
 200 205 210
 Lys Asn Ser His Gln Asn Lys Gly His Tyr Gln Asn Val Val Glu
 215 220 225
 Val Arg Glu Glu His Ser Ser Lys Val Gln Thr Ser Leu Cys Pro
 230 235 240
 Ala His Gln Asp Lys' Leu Gln His Gly Ser Lys Asp Ile Phe Ser
 245 250 255
 Thr Gln Asp Glu Leu Leu Val Tyr Asn Lys Asn Gln His Gln Thr
 260 265 270
 Lys Asn Leu Asn Gln Asp Gln Gln His Gly Arg Lys Ala Asn Lys
 275 280 285
 Ile Ser Tyr Gln Ser Ser Ser Thr Glu Glu Arg Arg Leu His Tyr
 290 295 300
 Gly Glu Asn Gly Val Gln Lys Asp Val Ser Gln Ser Ser Ile Tyr
 305 310 315
 Ser Gln Thr Glu Glu Lys Ile His Gly Lys Ser Gln Asn Gln Val
 320 325 330
 Thr Ile His Ser Gln Asp Gln Glu His Gly His Lys Glu Asn Lys
 335 340 345
 Ile Ser Tyr Gln Ser Ser Ser Thr Glu Glu Arg His Leu Asn Cys
 350 355 360
 Gly Glu Lys Gly Ile Gln Lys Gly Val Ser Lys Gly Ser Ile Ser
 365 370 375
 Ile Gln Thr Glu Glu Gln Ile His Gly Lys Ser Gln Asn Gln Val
 380 385 390
 Arg Ile Pro Ser Gln Ala Gln Glu Tyr Gly His Lys Glu Asn Lys
 395 400 405
 Ile Ser Tyr Gln Ser Ser Ser Thr Glu Glu Arg Arg Leu Asn Ser
 410 415 420
 Gly Glu Lys Asp Val Gln Lys Gly Val Ser Lys Gly Ser Ile Ser
 425 430 435
 Ile Gln Thr Glu Glu Lys Ile His Gly Lys Ser Gln Asn Gln Val
 440 445 450
 Thr Ile Pro Ser Gln Asp Gln Glu His Gly His Lys Glu Asn Lys

455 460 465
 Met Ser Tyr Gln Ser Ser Ser Thr Glu Glu Arg Arg Leu Asn Tyr
 470 475 480
 Gly Gly Lys Ser Thr Gln Lys Asp Val Ser Gln Ser Ser Ile Ser
 485 490 495
 Phe Gln Ile Glu Lys Leu Val Glu Gly Lys Ser Gln Ile Gln Thr
 500 505 510
 Pro Asn Pro Asn Gln Asp Gln Trp Ser Gly Gln Asn Ala Lys Gly
 515 520 525
 Lys Ser Gly Gln Ser Ala Asp Ser Lys Gln Asp Leu Leu Ser His
 530 535 540
 Glu Gln Lys Gly Arg Tyr Lys Gln Glu Ser Ser Glu Ser His Asn
 545 550 555
 Ile Val Ile Thr Glu His Glu Val Ala Gln Asp Asp His Leu Thr
 560 565 570
 Gln Gln Tyr Asn Glu Asp Arg Asn Pro Ile Ser Thr
 575 580

<210> 42

<211> 71

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 350287

<400> 42

Met Phe Thr Ala Pro Leu Phe Phe Phe Phe Phe Phe Glu Ile Ile		
1 5 10 15		
Asn Ser Met Arg Asn Leu Gly Leu Asn Ile Cys Leu Leu Cys Leu		
20 25 30		
Leu Ile Glu His His Ser Arg Pro Ser Val Cys Leu Pro Phe Thr		
35 40 45		
Pro Lys Ile Phe Thr Lys Lys Ile Leu Arg Gln Gln Val Thr Ile		
50 55 60		
Tyr Arg Cys Leu Asn Asp Phe Leu Ile Phe Ile		
65 70		

<210> 43

<211> 102

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1618171

<400> 43

Met Ala Val Leu Pro Ser Val Leu Leu Val Tyr Ser Leu Phe Phe		
1 5 10 15		
Cys Leu Arg Phe Cys Met Leu Leu Leu Leu Pro Ser Tyr Ser His		
20 25 30		
Ser Arg Ser Gly Arg Gly Pro Gly Arg Tyr Gly His Ile Thr Leu		

35	40	45
Ile Asp Val Ile His Val Ser Val Tyr Trp Phe Phe Glu Ala Leu		
50	55	60
Ser Thr Phe Gln Ile Phe Tyr Tyr Cys Ile Thr Arg Thr Ile Thr		
65	70	75
Val Arg Lys Gly Ile Val Val Ser Arg His Val Asn Glu Ala Gly		
80	85	90
Val Ser Phe Val Ser Tyr Leu Cys Ile Asn Phe Lys		
95	100	

<210> 44

<211> 226

<212> PRT

<213> Homo sapiens

Q

<220>

<221> misc_feature

<223> Incyte ID No: 1625863

<400> 44

1	5	10	15
Thr Ser Leu Gly Ser Phe Ile Val Ile Cys Ser Ile Leu Gly Thr			
20	25	30	
Gln Ala Trp Ile Thr Ser Thr Ile Ala Val Arg Asp Ser Ala Ser			
35	40	45	
Asn Gly Ser Ile Phe Ile Thr Tyr Gly Leu Phe Arg Gly Glu Ser			
50	55	60	
Ser Glu Glu Leu Ser His Gly Leu Ala Glu Pro Lys Lys Phe			
65	70	75	
Ala Val Leu Glu Ile Leu Asn Asn Ser Ser Gln Lys Thr Leu His			
80	85	90	
Ser Val Thr Ile Leu Phe Leu Val Leu Ser Leu Ile Thr Ser Leu			
95	100	105	
Leu Ser Ser Gly Phe Thr Phe Tyr Asn Ser Ile Ser Asn Pro Tyr			
110	115	120	
Gln Thr Phe Leu Gly Pro Thr Gly Val Tyr Thr Trp Asn Gly Leu			
125	130	135	
Gly Ala Ser Phe Val Phe Val Thr Met Ile Leu Phe Val Ala Asn			
140	145	150	
Thr Gln Ser Asn Gln Leu Ser Glu Glu Leu Phe Gln Met Leu Tyr			
155	160	165	
Pro Ala Thr Thr Ser Lys Gly Thr Thr His Ser Tyr Gly Tyr Ser			
170	175	180	
Phe Trp Leu Ile Leu Val Ile Leu Leu Asn Ile Val Thr Val			
185	190	195	
Thr Ile Ile Ile Phe Tyr Gln Lys Ala Arg Tyr Gln Arg Lys Gln			
200	205	210	
Glu Gln Arg Lys Pro Met Glu Tyr Ala Pro Arg Asp Gly Ile Leu			
215	220	225	
Phe			

<210> 45

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<211> 154

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1638353

<400> 45

Met Ala Leu Leu Leu Ser Val Leu Arg Val Leu Leu Gly Gly Phe
1 5 10 15
Phe Ala Leu Val Gly Leu Ala Lys Leu Ser Glu Glu Ile Ser Ala
20 25 30
Pro Val Ser Glu Arg Met Asn Ala Leu Phe Val Gln Phe Ala Glu
35 40 45
Val Phe Pro Leu Lys Val Phe Gly Tyr Gln Pro Asp Pro Leu Asn
50 55 60
Tyr Gln Ile Ala Val Gly Phe Leu Glu Leu Leu Ala Gly Leu Leu
65 70 75
Leu Val Met Gly Pro Pro Met Leu Gln Glu Ile Ser Asn Leu Phe
80 85 90
Leu Ile Leu Leu Met Met Gly Ala Ile Phe Thr Leu Ala Ala Leu
95 100 105
Lys Glu Ser Leu Ser Thr Cys Ile Pro Ala Ile Val Cys Leu Gly
110 115 120
Phe Leu Leu Leu Leu Asn Val Gly Gln Leu Leu Ala Gln Thr Lys
125 130 135
Lys Val Val Arg Pro Thr Arg Lys Lys Thr Leu Ser Thr Phe Lys
140 145 150
Glu Ser Trp Lys

<210> 46

<211> 167

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1726843

<400> 46

Met Ala Ser Pro Arg Thr Val Thr Ile Val Ala Leu Ser Val Ala
1 5 10 15
Leu Gly Leu Phe Phe Val Phe Met Gly Thr Ile Lys Leu Thr Pro
20 25 30
Arg Leu Ser Lys Asp Ala Tyr Ser Glu Met Lys Arg Ala Tyr Lys
35 40 45
Ser Tyr Val Arg Ala Leu Pro Leu Leu Lys Lys Met Gly Ile Asn
50 55 60
Ser Ile Leu Leu Arg Lys Ser Ile Gly Ala Leu Glu Val Ala Cys
65 70 75
Gly Ile Val Met Thr Leu Val Pro Gly Arg Pro Lys Asp Val Ala
80 85 90

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Asn Phe Phe Leu Leu Leu Val Leu Ala Val Leu Phe Phe His
95 100 105
Gln Leu Val Gly Asp Pro Leu Lys Arg Tyr Ala His Ala Leu Val
110 115 120
Phe Gly Ile Leu Leu Thr Cys Arg Leu Leu Ile Ala Arg Lys Pro
125 130 135
Glu Asp Arg Ser Ser Glu Lys Lys Pro Leu Pro Gly Asn Ala Glu
140 145 150
Glu Gln Pro Ser Leu Tyr Glu Lys Ala Pro Gln Gly Lys Val Lys
155 160 165
Val Ser

<210> 47

<211> 545

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1754506

<400> 47

Met Ala Gly Ala Ile Ile Glu Asn Met Ser Thr Lys Lys Leu Cys
1 5 10 15
Ile Val Gly Gly Ile Leu Leu Val Phe Gln Ile Ile Ala Phe Leu
20 25 30
Val Gly Gly Leu Ile Ala Pro Gly Pro Thr Thr Ala Val Ser Tyr
35 40 45
Met Ser Val Lys Cys Val Asp Ala Arg Lys Asn His His Lys Thr
50 55 60
Lys Trp Phe Val Pro Trp Gly Pro Asn His Cys Asp Lys Ile Arg
65 70 75
Asp Ile Glu Glu Ala Ile Pro Arg Glu Ile Glu Ala Asn Asp Ile
80 85 90
Val Phe Ser Val His Ile Pro Leu Pro His Met Glu Met Ser Pro
95 100 105
Trp Phe Gln Phe Met Leu Phe Ile Leu Gln Leu Asp Ile Ala Phe
110 115 120
Lys Leu Asn Asn Gln Ile Arg Glu Asn Ala Glu Val Ser Met Asp
125 130 135
Val Ser Leu Ala Tyr Arg Asp Asp Ala Phe Ala Glu Trp Thr Glu
140 145 150
Met Ala His Glu Arg Val Pro Arg Lys Leu Lys Cys Thr Phe Thr
155 160 165
Ser Pro Lys Thr Pro Glu His Glu Gly Arg Tyr Tyr Glu Cys Asp
170 175 180
Val Leu Pro Phe Met Glu Ile Gly Ser Val Ala His Lys Phe Tyr
185 190 195
Leu Leu Asn Ile Arg Leu Pro Val Asn Glu Lys Lys Lys Ile Asn
200 205 210
Val Gly Ile Gly Glu Ile Lys Asp Ile Arg Leu Val Gly Ile His
215 220 225
Gln Asn Gly Gly Phe Thr Lys Val Trp Phe Ala Met Lys Thr Phe

230 235 240
 Leu Thr Pro Ser Ile Phe Ile Ile Met Val Trp Tyr Trp Arg Arg
 245 250 255
 Ile Thr Met Met Ser Arg Pro Pro Val Leu Leu Glu Lys Val Ile
 260 265 270
 Phe Ala Leu Gly Ile Ser Met Thr Phe Ile Asn Ile Pro Val Glu
 275 280 285
 Trp Phe Ser Ile Gly Phe Asp Trp Thr Trp Met Leu Leu Phe Gly
 290 295 300
 Asp Ile Arg Gln Gly Ile Phe Tyr Ala Met Leu Leu Ser Phe Trp
 305 310 315
 Ile Ile Phe Cys Gly Glu His Met Met Asp Gln His Glu Arg Asn
 320 325 330
 His Ile Ala Gly Tyr Trp Lys Gln Val Gly Pro Ile Ala Val Gly
 335 340 345
 Ser Phe Cys Leu Phe Ile Phe Asp Met Cys Glu Arg Gly Val Gln
 350 355 360
 Leu Thr Asn Pro Phe Tyr Ser Ile Trp Thr Thr Asp Ile Gly Thr
 365 370 375
 Glu Leu Ala Met Ala Phe Ile Ile Val Ala Gly Ile Cys Leu Cys
 380 385 390
 Leu Tyr Phe Leu Phe Leu Cys Phe Met Val Phe Gln Val Phe Arg
 395 400 405
 Asn Ile Ser Gly Lys Gln Ser Ser Leu Pro Ala Met Ser Lys Val
 410 415 420
 Arg Arg Leu His Tyr Glu Gly Leu Ile Phe Arg Phe Lys Phe Leu
 425 430 435
 Met Leu Ile Thr Leu Ala Cys Ala Ala Met Thr Val Ile Phe Phe
 440 445 450
 Ile Val Ser Gln Val Thr Glu Gly His Trp Lys Trp Gly Gly Val
 455 460 465
 Thr Val Gln Val Asn Ser Ala Phe Phe Thr Gly Ile Tyr Gly Met
 470 475 480
 Trp Asn Leu Tyr Val Phe Ala Leu Met Phe Leu Tyr Ala Pro Ser
 485 490 495
 His Lys Asn Tyr Gly Glu Asp Gln Ser Asn Gly Met Gln Leu Pro
 500 505 510
 Cys Lys Ser Arg Glu Asp Cys Ala Leu Phe Val Ser Glu Leu Tyr
 515 520 525
 Gln Glu Leu Phe Ser Ala Ser Lys Tyr Ser Phe Ile Asn Asp Asn
 530 535 540
 Ala Ala Ser Gly Ile
 545

<210> 48
 <211> 570
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 1831378

<400> 48

Met Gly Phe Leu Gln Leu Leu Val Val Ala Val Leu Ala Ser Glu
 1 5 10 15
 His Arg Val Ala Gly Ala Ala Glu Val Phe Gly Asn Ser Ser Glu
 20 25 30
 Gly Leu Ile Glu Phe Ser Val Gly Lys Phe Arg Tyr Phe Glu Leu
 35 40 45
 Asn Arg Pro Phe Pro Glu Glu Ala Ile Leu His Asp Ile Ser Ser
 50 55 60
 Asn Val Thr Phe Leu Ile Phe Gln Ile His Ser Gln Tyr Gln Asn
 65 70 75
 Thr Thr Val Ser Phe Ser Pro Thr Leu Leu Ser Asn Ser Ser Glu
 80 85 90
A1
 Thr Gly Thr Ala Ser Gly Leu Val Phe Ile Leu Arg Pro Glu Gln
 95 100 105
 Ser Thr Cys Thr Trp Tyr Leu Gly Thr Ser Gly Ile Gln Pro Val
 110 115 120
 Gln Asn Met Ala Ile Leu Leu Ser Tyr Ser Glu Arg Asp Pro Val
 125 130 135
 Pro Gly Gly Cys Asn Leu Glu Phe Asp Leu Asp Ile Asp Pro Asn
 140 145 150
 Ile Tyr Leu Glu Tyr Asn Phe Phe Glu Thr Thr Ile Lys Phe Ala
 155 160 165
 Pro Ala Asn Leu Gly Tyr Ala Arg Gly Val Asp Pro Pro Pro Cys
 170 175 180
 Asp Ala Gly Thr Asp Gln Asp Ser Arg Trp Arg Leu Gln Tyr Asp
 185 190 195
 Val Tyr Gln Tyr Phe Leu Pro Glu Asn Asp Leu Thr Glu Glu Met
 200 205 210
 Leu Leu Lys His Leu Gln Arg Met Val Ser Val Pro Gln Val Lys
 215 220 225
 Ala Ser Ala Leu Lys Val Val Thr Leu Thr Ala Asn Asp Lys Thr
 230 235 240
 Ser Val Ser Phe Ser Ser Leu Pro Gly Gln Gly Val Ile Tyr Asn
 245 250 255
 Val Ile Val Trp Asp Pro Phe Leu Asn Thr Ser Ala Ala Tyr Ile
 260 265 270
 Pro Ala His Thr Tyr Ala Cys Ser Phe Glu Ala Gly Glu Gly Ser
 275 280 285
 Cys Ala Ser Leu Gly Arg Val Ser Ser Lys Val Phe Phe Thr Leu
 290 295 300
 Phe Ala Leu Leu Gly Phe Phe Ile Cys Phe Phe Gly His Arg Phe
 305 310 315
 Trp Lys Thr Glu Leu Phe Phe Ile Gly Phe Ile Ile Met Gly Phe
 320 325 330
 Phe Phe Tyr Ile Leu Ile Thr Arg Leu Thr Pro Ile Lys Tyr Asp
 335 340 345
 Val Asn Leu Ile Leu Thr Ala Val Thr Gly Ser Val Gly Gly Met
 350 355 360
 Phe Leu Val Ala Val Trp Trp Arg Phe Gly Ile Leu Ser Ile Cys
 365 370 375
 Met Leu Cys Val Gly Leu Val Leu Gly Phe Leu Ile Ser Ser Val
 380 385 390
 Thr Phe Phe Thr Pro Leu Gly Asn Leu Lys Ile Phe His Asp Asp
 395 400 405

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Gly Val Phe Trp Val Thr Phe Ser Cys Ile Ala Ile Leu Ile Pro
410 415 420
Val Val Phe Met Gly Cys Leu Arg Ile Leu Asn Ile Leu Thr Cys
425 430 435
Gly Val Ile Gly Ser Tyr Ser Val Val Leu Ala Ile Asp Ser Tyr
440 445 450
Trp Ser Thr Ser Leu Ser Tyr Ile Thr Leu Asn Val Leu Lys Arg
455 460 465
Ala Leu Asn Lys Asp Phe His Arg Ala Phe Thr Asn Val Pro Phe
470 475 480
Gln Thr Asn Asp Phe Ile Ile Leu Ala Val Trp Gly Met Leu Ala
485 490 495
Val Ser Gly Ile Thr Leu Gln Ile Arg Arg Glu Arg Gly Arg Pro
500 505 510
Q1) Phe Phe Pro Pro His Pro Tyr Lys Leu Trp Lys Gln Glu Arg Glu
515 520 525
Arg Arg Val Thr Asn Ile Leu Asp Pro Ser Tyr His Ile Pro Pro
530 535 540
Leu Arg Glu Arg Leu Tyr Gly Arg Leu Thr Gln Ile Lys Gly Leu
545 550 555
Phe Gln Lys Glu Gln Pro Ala Gly Glu Arg Thr Pro Leu Leu Leu
560 565 570

<210> 49
<211> 127
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 1864943

<400> 49
Met Arg Arg Arg Phe Trp Gly Val Phe Asn Cys Leu Cys Ala Gly
1 5 10 15
Ala Phe Gly Ala Leu Ala Ala Ala Ser Ala Lys Leu Ala Phe Gly
20 25 30
Ser Glu Val Ser Met Gly-Leu Cys Val Leu Gly Ile Ile Val Met
35 40 45
Ala Ser Thr Asn Ser Leu Met Trp Thr Phe Phe Ser Arg Gly Leu
50 55 60
Ser Phe Ser Met Ser Ser Ala Ile Ala Ser Val Thr Val Thr Phe
65 70 75
Ser Asn Ile Leu Ser Ser Ala Phe Leu Gly Tyr Val Leu Tyr Gly
80 85 90
Glu Cys Gln Glu Val Leu Trp Trp Gly Gly Val Phe Leu Ile Leu
95 100 105
Cys Gly Leu Thr Leu Ile His Arg Lys Leu Pro Pro Thr Trp Lys
110 115 120
Pro Leu Pro His Lys Gln Gln
125

<210> 50

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<211> 152

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1911316

<400> 50

Met Asp Asn Val Gln Pro Lys Ile Lys His Arg Pro Phe Cys Phe
1 5 10 15
Ser Val Lys Gly His Val Lys Met Leu Arg Leu Ala Leu Thr Val
20 25 30
Thr Ser Met Thr Phe Phe Ile Ile Ala Gln Ala Pro Glu Pro Tyr
35 40 45
Ile Val Ile Thr Gly Phe Glu Val Thr Val Ile Leu Phe Phe Ile
50 55 60
Leu Leu Tyr Val Leu Arg Leu Asp Arg Leu Met Lys Trp Leu Phe
65 70 75
Trp Pro Leu Leu Asp Ile Ile Asn Ser Leu Val Thr Thr Val Phe
80 85 90
Met Leu Ile Val Ser Val Leu Ala Leu Ile Pro Glu Thr Thr Thr
95 100 105
Leu Thr Val Gly Gly Val Phe Ala Leu Val Thr Ala Val Cys
110 115 120
Cys Leu Ala Asp Gly Ala Leu Ile Tyr Arg Lys Leu Leu Phe Asn
125 130 135
Pro Ser Gly Pro Tyr Gln Lys Lys Pro Val His Glu Lys Lys Glu
140 145 150
Val Leu

<210> 51

<211> 777

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1943120

<400> 51

Met Thr Phe Tyr Pro Phe Val Ala Ser Ser Ser Thr Arg Arg Val
1 5 10 15
Asp Asn Ser Asn Thr Arg Leu Ala Val Gln Ile Glu Arg Asp Pro
20 25 30
Gly Asn Asp Asp Asn Asn Leu Asn Ser Ile Phe Tyr Glu His Leu
35 40 45
Thr Arg Thr Leu Leu Glu Ser Leu Cys Gly Asp Leu Val Leu Gly
50 55 60
Arg Trp Gly Asn Tyr Ser Ser Gly Asp Cys Phe Ile Leu Ala Ser
65 70 75
Asp Asp Leu Asn Ala Phe Val His Leu Ile Glu Ile Gly Asn Gly
80 85 90

Leu Val Thr Phe Gln Leu Arg Gly Leu Glu Phe Arg Gly Thr Tyr
 95 100 105
 Cys Gln Gln Arg Glu Val Glu Ala Ile Met Glu Gly Asp Glu Glu
 110 115 120
 Asp Arg Gly Cys Cys Cys Lys Pro Gly His Leu Pro His Leu
 125 130 135
 Leu Ser Arg Asn Ala Ala Phe His Leu Arg Trp Leu Thr Trp Glu
 140 145 150
 Ile Thr Gln Thr Gln Tyr Ile Leu Glu Gly Tyr Ser Ile Leu Asp
 155 160 165
 Asn Asn Ala Ala Thr Met Leu Gln Val Phe Asp Leu Arg Arg Ile
 170 175 180
 Leu Ile Arg Tyr Tyr Ile Lys Ser Ile Ile Tyr Tyr Met Val Thr
 185 190 195
 Ser Pro Lys Leu Leu Ser Trp Ile Lys Asn Glu Ser Leu Leu Lys
 200 205 210
 Ser Leu Gln Pro Phe Ala Lys Trp His Tyr Ile Glu Arg Asp Leu
 215 220 225
 Ala Met Phe Asn Ile Asn Ile Asp Asp Asp Tyr Val Pro Cys Leu
 230 235 240
 Gln Gly Ile Thr Arg Ala Ser Phe Cys Asn Val Tyr Leu Glu Trp
 245 250 255
 Ile Gln His Cys Ala Arg Lys Arg Gln Glu Pro Ser Thr Thr Leu
 260 265 270
 Asp Ser Asp Glu Asp Ser Pro Leu Val Thr Leu Ser Phe Ala Leu
 275 280 285
 Cys Thr Leu Gly Arg Arg Ala Leu Gly Thr Ala Ala His Asn Met
 290 295 300
 Ala Ile Ser Leu Asp Ser Phe Leu Tyr Gly Leu His Val Leu Phe
 305 310 315
 Lys Gly Asp Phe Arg Ile Thr Ala Arg Asp Glu Trp Val Phe Ala
 320 325 330
 Asp Met Asp Leu Leu His Lys Val Val Ala Pro Ala Ile Arg Met
 335 340 345
 Ser Leu Lys Leu His Gln Asp Gln Phe Thr Cys Pro Asp Glu Tyr
 350 355 360
 Glu Asp Pro Ala Val Leu Tyr Glu Ala Ile Gln Ser Phe Glu Lys
 365 370 375
 Lys Val Val Ile Cys His Glu Gly Asp Pro Ala Trp Arg Gly Ala
 380 385 390
 Val Leu Ser Asn Lys Glu Glu Leu Leu Thr Leu Arg His Val Val
 395 400 405
 Asp Glu Gly Ala Asp Glu Tyr Lys Val Ile Met Leu His Arg Ser
 410 415 420
 Phe Leu Ser Phe Lys Val Ile Lys Val Asn Lys Glu Cys Val Arg
 425 430 435
 Gly Leu Trp Ala Gly Gln Gln Glu Leu Ile Phe Leu Arg Asn
 440 445 450
 Arg Asn Pro Glu Arg Gly Ser Ile Gln Asn Asn Lys Gln Val Leu
 455 460 465
 Arg Asn Leu Ile Asn Ser Ser Cys Asp Gln Pro Leu Gly Tyr Pro
 470 475 480
 Met Tyr Val Ser Pro Leu Thr Thr Ser Tyr Leu Gly Thr His Arg
 485 490 495

Q1

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Gln Leu Lys Asn Ile Trp Gly Gly Pro Ile Thr Leu Asp Arg Ile
500 505 510
Arg Thr Trp Phe Trp Thr Lys Trp Val Arg Met Arg Lys Asp Cys
515 520 525
Asn Ala Arg Gln His Ser Gly Gly Asn Ile Glu Asp Val Asp Gly
530 535 540
Gly Gly Ala Pro Thr Thr Gly Gly Asn Asn Ala Pro Asn Gly Gly
545 550 555
Ser Gln Glu Ser Ser Ala Glu Gln Pro Arg Lys Gly Gly Ala Gln
560 565 570
His Gly Val Ser Ser Cys Glu Gly Thr Gln Arg Thr Gly Arg Arg
575 580 585
Lys Gly Arg Ser Gln Ser Val Gln Ala His Ser Ala Leu Ser Gln
590 595 600
Arg Pro Pro Met Leu Ser Ser Ser Gly Pro Ile Leu Glu Ser Arg
605 610 615
Gln Thr Phe Leu Gln Thr Ser Thr Ser Val His Glu Leu Ala Gln
620 625 630
Arg Leu Ser Gly Ser Arg Leu Ser Leu His Ala Ser Ala Thr Ser
635 640 645
Leu His Ser Gln Pro Pro Pro Val Thr Thr Thr Gly His Leu Ser
650 655 660
Val Arg Glu Arg Ala Glu Ala Leu Ile Arg Ser Ser Leu Gly Ser
665 670 675
Ser Thr Ser Ser Thr Leu Ser Phe Leu Phe Gly Lys Arg Ser Phe
680 685 690
Ser Ser Ala Leu Val Ile Ser Gly Leu Ser Ala Ala Glu Gly Gly
695 700 705
Asn Thr Ser Asp Thr Gln Ser Ser Ser Val Asn Ile Val Met
710 715 720
Gly Pro Ser Ala Arg Ala Ala Ser Gln Ala Thr Arg Val Arg Gly
725 730 735
Trp Ala Gly Leu Thr Arg Thr Gly Trp Asp Gly Gly Thr Gly Ser
740 745 750
Trp Pro Glu Arg Gly Thr Cys Leu Ala Phe Pro Pro Phe Cys Leu
755 760 765
Gln Asn Pro Ile Pro Phe Ser Met Gly Leu Pro Glu
770 775

<210> 52
<211> 108
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 2314236

<400> 52
Met Phe Lys His Glu Leu Glu Glu Leu Arg Thr Thr Ile Met Tyr
1 5 10 15
Arg Asp Ser His Ser Val Leu Ala Leu Asn Trp Lys Val Val Ala
20 25 30
Thr Leu Lys Tyr Phe Leu Leu Tyr Val Ile Ile Leu Tyr Asn Leu

35	40	45
Glu Arg Asp Asn Gly His Ser Asn Tyr	Glu Asn Tyr Glu Leu Gly	
50	55	60
Asp Lys Ser Leu Asn Leu Leu Phe	Tyr Asn Ser Met Tyr Lys	
65	70	75
Leu Val Phe Pro Tyr Ile Phe Thr Phe	Ser Ser Phe Leu Ile Ser	
80	85	90
Ser Tyr Thr Ser Ile Leu Tyr Lys Met	Phe Tyr Ile Gln Arg Thr	
95	100	105
Val Lys Ser		

<210> 53

<211> 66

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2479409

<400> 53

Met Asn Leu Ser Lys Lys Ser Ile Leu Leu Thr Gln Val Ile Lys			
1	5	10	15
Phe Val Asp Ile Arg Leu Phe Ile Met Val Pro Ser Tyr Pro Phe			
20	25	30	
Asn Val Phe Arg Ser Cys Val Asp Asn Phe Leu Phe Ile Met Ile			
35	40	45	
Leu Val Ile Ser Val Leu Thr Phe Leu Ile Arg Leu Gly Arg Gly			
50	55	60	
Leu Ser Val Leu Leu Ile			
65			

<210> 54

<211> 540

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2683149

<400> 54

Met Met Gly Ser Pro Val Ser His Leu Leu Ala Gly Phe Cys Val			
1	5	10	15
Trp Val Val Leu Gly Trp Val Gly Gly Ser Val Pro Asn Leu Gly			
20	25	30	
Pro Ala Glu Gln Glu Gln Asn His Tyr Leu Ala Gln Leu Phe Gly			
35	40	45	
Leu Tyr Gly Glu Asn Gly Thr Leu Thr Ala Gly Gly Leu Ala Arg			
50	55	60	
Leu Leu His Ser Leu Gly Leu Gly Arg Val Gln Gly Leu Arg Leu			
65	70	75	
Gly Gln His Gly Pro Leu Thr Gly Arg Ala Ala Ser Pro Ala Ala			

80 85 90

Asp Asn Ser Thr His Arg Pro Gln Asn Pro	Glu Leu Ser Val	Asp
95	100	105
Val Trp Ala Gly Met Pro Leu Gly Pro	Ser Gly Trp Gly Asp	Leu
110	115	120
Glu Glu Ser Lys Ala Pro His Leu Pro	Arg Gly Pro Ala Pro	Ser
125	130	135
Gly Leu Asp Leu Leu His Arg Leu Leu	Leu Asp His Ser	Leu
140	145	150
Ala Asp His Leu Asn Glu Asp Cys Leu	Asn Gly Ser Gln Leu	Leu
155	160	165
Val Asn Phe Gly Leu Ser Pro Ala Ala	Pro Leu Thr Pro Arg	Gln
170	175	180
Phe Ala Leu Leu Cys Pro Ala Leu Leu	Tyr Gln Ile Asp Ser	Arg
185	190	195
Val Cys Ile Gly Ala Pro Ala Pro Ala	Pro Pro Gly Asp	Leu
200	205	210
Ser Ala Leu Leu Gln Ser Ala Leu Ala	Val Leu Leu Leu Ser	Leu
215	220	225
Pro Ser Pro Leu Ser Leu Leu Leu	Arg Leu Leu Gly Pro	Arg
230	235	240
Leu Leu Arg Pro Leu Leu Gly Phe Leu	Gly Ala Leu Ala Val	Gly
245	250	255
Thr Leu Cys Gly Asp Ala Leu Leu His	Leu Leu Pro His Ala	Gln
260	265	270
Glu Gly Arg His Ala Gly Pro Gly Gly	Leu Pro Glu Lys Asp	Leu
275	280	285
Gly Pro Gly Leu Ser Val Leu Gly Gly	Leu Phe Leu Leu Phe	Val
290	295	300
Leu Glu Asn Met Leu Gly Leu Leu Arg	His Arg Gly Leu Arg	Pro
305	310	315
Arg Cys Cys Arg Arg Lys Arg Arg Asn	Leu Glu Thr Arg Asn	Leu
320	325	330
Asp Pro Glu Asn Gly Ser Gly Met Ala	Leu Gln Pro Leu Gln	Ala
335	340	345
Ala Pro Glu Pro Gly Ala Gln Gly Gln	Arg Glu Lys Asn Ser	Gln
350	355	360
His Pro Pro Ala Leu Ala Pro Pro Gly	His Gln Gly His Ser	His
365	370	375
Gly His Gln Gly Gly Thr Asp Ile Thr	Trp Met Val Leu Leu	Gly
380	385	390
Asp Gly Leu His Asn Leu Thr Asp Gly	Leu Ala Ile Gly Ala	Ala
395	400	405
Phe Ser Asp Gly Phe Ser Ser Gly Leu	Ser Thr Thr Leu Ala	Val
410	415	420
Phe Cys His Glu Leu Pro His Glu Leu	Gly Asp Phe Ala Met	Leu
425	430	435
Leu Gln Ser Gly Leu Ser Phe Arg Arg	Leu Leu Leu Ser	Leu
440	445	450
Val Ser Gly Ala Leu Gly Leu Gly Gly	Ala Val Leu Gly Val	Gly
455	460	465
Leu Ser Leu Gly Pro Val Pro Leu Thr	Pro Trp Val Phe Gly	Val
470	475	480
Thr Ala Gly Val Phe Leu Tyr Val Ala	Leu Val Asp Met	Leu
Leu Pro		

485	490	495
Ala Leu Leu Arg Pro Pro Glu Pro Leu Pro Thr Pro His Val Leu		
500	505	510
Leu Gln Gly Leu Gly Leu Leu Leu Gly Gly Gly Leu Met Leu Ala		
515	520	525
Ile Thr Leu Leu Glu Glu Arg Leu Leu Pro Val Thr Thr Glu Gly		
530	535	540

Al

<210> 55
<211> 87
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 2774051

<400> 55

Met Pro Phe Thr Leu Asp Asp Tyr Gly Ala Tyr Ser Ser Gln Lys			
1	5	10	15
Gln Tyr Thr Cys Gln Phe Pro Ser Thr Ile Ala Ile His Ala Glu			
20	25		30
Asp Lys Arg Pro Pro Gln Ser Arg Arg Gly Ile Val Leu Gly Pro			
35	40		45
Ile Phe Leu Ile Val Leu Lys Ile Ile Ile Arg Trp Thr Val Phe			
50	55		60
Cys Glu Asp Phe Leu Phe Pro Ser Ser Lys Lys Pro Cys Gly Lys			
65	70		75
Asn Ser Leu Ile Thr Val Leu Ile Phe Phe Phe Phe			
80	85		

<210> 56
<211> 100
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 2869038

<400> 56

Met Ile Met Ala Gln Lys Ile Gly Gly Leu Thr Trp Trp Ala Ile			
1	5	10	15
Met Phe Ile Ile Leu Phe Glu Ile Thr Gly Thr Ser Ser Ser Phe			
20	25		30
Leu Arg Ile Asn Ala Leu Pro His Phe Ser Met Asn Arg Cys Gly			
35	40		45
Glu Ala Tyr Phe Pro Phe Ser Tyr Leu Tyr Thr Ser Leu Gln Lys			
50	55		60
Gln Phe Leu Met Lys Val Ser Gly Ile Val Lys Asn Leu Arg Gly			
65	70		75
Met Met Thr Gly Gly Val Trp Gly Phe Phe Leu Tyr Ser Phe Phe			
80	85		90

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Asn Glu Lys Ser Phe Lys Cys Ser Thr Gly
95 100

<210> 57

<211> 58

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2918334

Q1

<400> 57

Met Asp Leu Leu Tyr Glu Ile Leu Leu Ala Leu Tyr Tyr Asn Ile
1 5 10 15
Cys Tyr Asp Ile Pro Phe Ile Phe Phe Asn Leu Asn Met Met Phe
20 25 30
Tyr Ile Val Leu Asp Leu Arg Ile Val Phe Phe Arg Thr Ile Arg
35 40 45
Glu Tyr Leu Ser Pro Pro Ser Leu Ser Phe Tyr Ile Tyr
50 55

<210> 58

<211> 61

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2949916

<400> 58

Met Arg Arg Ile Ile Arg Leu Arg Leu Arg Phe Ser Asp Thr Phe
1 5 10 15
Met Ala Ala Phe Leu Leu Cys Leu Gly Phe Val Leu Met Leu Phe
20 25 30
Pro Ser Leu Leu Arg Asp Gly Gly Ser Ile Ser Ser Cys Arg Asn
35 40 45
Ser Cys Ser Ser Pro Ser Ser Glu Glu Arg His Phe Ser Asn Leu
50 55 60

Glu

<210> 59

<211> 50

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2989375

<400> 59

Met Cys Leu Thr Pro His Arg Asp Ser Met Cys Glu Asp Ser Pro

1	5	10	15											
Phe	Thr	His	Gln	Ile	Ile	Ser	Met	Ala	Thr	Ala	Cys	Ser	Leu	Leu
							20			25				30
Leu	Glu	Cys	Phe	Val	Leu	Ala	Ala	Ser	Leu	Leu	Val	Cys	Val	Trp
							35			40				45
Ser	Glu	Trp	Arg	Arg										
							50							

Ar

<210> 60
<211> 310
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 3316764

400	60													
Met	Arg	Arg	Thr	Ala	Phe	Ile	Leu	Gly	Ser	Gly	Leu	Leu	Ser	Phe
1					5					10				15
Val	Ala	Phe	Trp	Asn	Ser	Val	Thr	Trp	His	Leu	Gln	Arg	Phe	Trp
										20				30
Gly	Ala	Ser	Gly	Tyr	Phe	Trp	Gln	Ala	Gln	Trp	Glu	Arg	Leu	Leu
										35				45
Thr	Thr	Phe	Glu	Gly	Lys	Glu	Trp	Ile	Leu	Phe	Phe	Ile	Gly	Ala
										50				60
Ile	Gln	Val	Pro	Cys	Leu	Phe	Phe	Trp	Ser	Phe	Asn	Gly	Leu	Leu
										65				75
Leu	Val	Val	Asp	Thr	Thr	Gly	Lys	Pro	Asn	Phe	Ile	Ser	Arg	Tyr
										80				90
Arg	Ile	Gln	Val	Gly	Lys	Asn	Glu	Pro	Val	Asp	Pro	Val	Lys	Leu
										95				105
Arg	Gln	Ser	Ile	Arg	Thr	Val	Leu	Phe	Asn	Gln	Cys	Met	Ile	Ser
										110				120
Phe	Pro	Met	Val	Val	Phe	Leu	Tyr	Pro	Phe	Leu	Lys	Trp	Trp	Arg
										125				135
Asp	Pro	Cys	Arg	Arg	Glu	Leu	Pro	Thr	Phe	His	Trp	Phe	Leu	Leu
										140				150
Glu	Leu	Ala	Ile	Phe	Thr	Leu	Ile	Glu	Glu	Val	Leu	Phe	Tyr	Tyr
										155				165
Ser	His	Arg	Leu	Leu	His	His	Pro	Thr	Phe	Tyr	Lys	Lys	Ile	His
										170				180
Lys	Lys	His	His	Glu	Trp	Thr	Ala	Pro	Ile	Gly	Val	Ile	Ser	Leu
										185				195
Tyr	Ala	His	Pro	Ile	Glu	His	Ala	Val	Ser	Asn	Met	Leu	Pro	Val
										200				210
Ile	Val	Gly	Pro	Leu	Val	Met	Gly	Ser	His	Leu	Ser	Ser	Ile	Thr
										215				225
Met	Trp	Phe	Ser	Leu	Ala	Leu	Ile	Ile	Thr	Thr	Ile	Ser	His	Cys
										230				240
Gly	Tyr	His	Leu	Pro	Phe	Leu	Pro	Ser	Pro	Glu	Phe	His	Asp	Tyr
										245				255
His	His	Leu	Lys	Phe	Asn	Gln	Cys	Tyr	Gly	Val	Leu	Gly	Val	Leu
										260				270

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Asp His Leu His Gly Thr Asp Thr Met Phe Lys Gln Thr Lys Ala
275 280 285
Tyr Glu Arg His Val Leu Leu Leu Gly Phe Thr Pro Leu Ser Glu
290 295 300
Ser Ile Pro Asp Ser Pro Lys Arg Met Glu
305 310

Q1
<210> 61

<211> 160

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 3359559

<400> 61

Met Ala Pro Ala Leu Trp Arg Ala Cys Asn Gly Leu Met Ala Ala
1 5 10 15
Phe Phe Ala Leu Ala Ala Leu Val Gln Val Asn Asp Pro Asp Ala
20 25 30
Glu Val Trp Val Val Tyr Thr Ile Pro Ala Val Leu Thr Leu
35 40 45
Leu Val Gly Leu Asn Pro Glu Val Thr Gly Asn Val Ile Trp Lys
50 55 60
Ser Ile Ser Ala Ile His Ile Leu Phe Cys Thr Val Trp Ala Val
65 70 75
Gly Leu Ala Ser Tyr Leu Leu His Arg Thr Gln Gln Asn Ile Leu
80 85 90
His Glu Glu Glu Gly Arg Glu Leu Ser Gly Leu Val Ile Ile Thr
95 100 105
Ala Trp Ile Ile Leu Cys His Ser Ser Ser Lys Asn Pro Val Gly
110 115 120
Gly Arg Ile Gln Leu Ala Ile Ala Ile Val Ile Thr Leu Phe Pro
125 130 135
Phe Ile Ser Trp Val Tyr Ile Tyr Ile Asn Lys Glu Met Arg Ser
140 145 150
Ser Trp Pro Thr His Cys Lys Thr Val Ile
155 160

<210> 62

<211> 35

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 4289208

<400> 62

Met Ala Val Val Asp Ala Gly Asn Asn Gly Lys Val Leu Asp Arg
1 5 10 15
Val Cys Val Arg Ser Val Pro Ala Leu Phe Leu Ser Lys Cys Ile
20 25 30

Ser Leu Asp Met Glu
35

<210> 63

<211> 323

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2454013

Q1

<400> 63

Met Ala Ala Pro Lys Gly Ser Leu Trp Val Arg Thr Gln Leu Gly			
1	5	10	15
Leu Pro Pro Leu Leu Leu Leu Thr Met Ala Leu Ala Gly Gly Ser			
20	.	25	30
Gly Thr Ala Ser Ala Glu Ala Phe Asp Ser Val Leu Gly Asp Thr			
35	.	40	45
Ala Ser Cys His Arg Ala Cys Gln Leu Thr Tyr Pro Leu His Thr			
50	.	55	60
Tyr Pro Lys Glu Glu Leu Tyr Ala Cys Gln Arg Gly Cys Arg			
65	.	70	75
Leu Phe Ser Ile Cys Gln Phe Val Asp Asp Gly Ile Asp Leu Asn			
80	.	85	90
Arg Thr Lys Leu Glu Cys Glu Ser Ala Cys Thr Glu Ala Tyr Ser			
95	.	100	105
Gln Ser Asp Glu Gln Tyr Ala Cys His Leu Gly Cys Gln Asn Gln			
110	.	115	120
Leu Pro Phe Ala Glu Leu Arg Gln Glu Gln Leu Met Ser Leu Met			
125	.	130	135
Pro Lys Met His Leu Leu Phe Pro Leu Thr Leu Val Arg Ser Phe			
140	.	145	150
Trp Ser Asp Met Met Asp Ser Ala Gln Ser Phe Ile Thr Ser Ser			
155	.	160	165
Trp Thr Phe Tyr Leu Gln Ala Asp Asp Gly Lys Ile Val Ile Phe			
170	.	175	180
Gln Ser Lys Pro Glu Ile Gln Tyr Ala Pro His Leu Glu Gln Glu			
185	.	190	195
Pro Thr Asn Leu Arg Glu Ser Ser Leu Ser Lys Met Ser Tyr Leu			
200	.	205	210
Gln Met Arg Asn Ser Gln Ala His Arg Asn Phe Leu Glu Asp Gly			
215	.	220	225
Glu Ser Asp Gly Phe Leu Arg Cys Leu Ser Leu Asn Ser Gly Trp			
230	.	235	240
Ile Leu Thr Thr Thr Leu Val Leu Ser Val Met Val Leu Leu Trp			
245	.	250	255
Ile Cys Cys Ala Thr Val Ala Thr Ala Val Glu Gln Tyr Val Pro			
260	.	265	270
Ser Glu Lys Leu Ser Ile Tyr Gly Asp Leu Glu Phe Met Asn Glu			
275	.	280	285
Gln Lys Leu Asn Arg Tyr Pro Ala Ser Ser Leu Val Val Val Arg			
290	.	295	300
Ser Lys Thr Glu Asp His Glu Ala Gly Pro Leu Pro Thr Lys			

305	310	315
Val Asn Leu Ala His Ser Glu Ile		
320		

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<210> 64
<211> 129
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 2454048
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31

<400> 64
 Met Ala Arg Gly Ser Leu Arg Arg Leu Leu Arg Leu Leu Val Leu
 1 5 10 15
 Gly Leu Trp Leu Ala Leu Leu Arg Ser Val Ala Gly Glu Gln Ala
 20 25 30
 Pro Gly Thr Ala Pro Cys Ser Arg Gly Ser Ser Trp Ser Ala Asp
 35 40 45
 Leu Asp Lys Cys Met Asp Cys Ala Ser Cys Arg Ala Arg Pro His
 50 55 60
 Ser Asp Phe Cys Leu Gly Cys Ala Ala Ala Pro Pro Ala Pro Phe
 65 70 75
 Arg Leu Leu Trp Pro Ile Leu Gly Gly Ala Leu Ser Leu Thr Phe
 80 85 90
 Val Leu Gly Leu Leu Ser Gly Phe Leu Val Trp Arg Arg Cys Arg
 95 100 105
 Arg Arg Glu Lys Phe Thr Thr Pro Ile Glu Glu Thr Gly Gly Glu
 110 115 120
 Gly Cys Pro Ala Val Ala Leu Ile Gln
 125

<210> 65
<211> 461
<212> PRT
<213> *Homo sapiens*

<220>
<221> misc_feature
<223> Incyte ID No: 2479282

<400> 65														
Met	Ala	Pro	Gln	Ser	Leu	Pro	Ser	Ser	Arg	Met	Ala	Pro	Leu	Gly
1				5					10					15
Met	Leu	Leu	Gly	Leu	Leu	Met	Ala	Ala	Cys	Phe	Thr	Phe	Cys	Leu
						20			25					30
Ser	His	Gln	Asn	Leu	Lys	Glu	Phe	Ala	Leu	Thr	Asn	Pro	Glu	Lys
					35				40					45
Ser	Ser	Thr	Lys	Glu	Thr	Glu	Arg	Lys	Glu	Thr	Lys	Ala	Glu	Glu
					50				55					60
Glu	Leu	Asp	Ala	Glu	Val	Leu	Glu	Val	Phe	His	Pro	Thr	His	Glu
					65				70					75
Trp	Gln	Ala	Leu	Gln	Pro	Gly	Gln	Ala	Val	Pro	Ala	Gly	Ser	His

80	85	90
Val Arg Leu Asn Leu Gln Thr Gly Glu	Arg Glu Ala Lys Leu Gln	
95	100	105
Tyr Glu Asp Lys Phe Arg Asn Asn Leu	Lys Gly Lys Arg Leu Asp	
110	115	120
Ile Asn Thr Asn Thr Tyr Thr Ser Gln	Asp Leu Lys Ser Ala Leu	
125	130	135
Ala Lys Phe Lys Glu Gly Ala Glu Met	Glu Ser Ser Lys Glu Asp	
140	145	150
Lys Ala Arg Gln Ala Glu Val Lys Arg	Leu Phe Arg Pro Ile Glu	
155	160	165
Glu Leu Lys Lys Asp Phe Asp Glu Leu	Asn Val Val Ile Glu Thr	
170	175	180
Asp Met Gln Ile Met Val Arg Leu Ile	Asn Lys Phe Asn Ser Ser	
185	190	195
Ser Ser Ser Leu Glu Glu Lys Ile Ala	Ala Leu Phe Asp Leu Glu	
200	205	210
Tyr Tyr Val His Gln Met Asp Asn Ala	Gln Asp Leu Leu Ser Phe	
215	220	225
Gly Gly Leu Gln Val Val Ile Asn Gly	Leu Asn Ser Thr Glu Pro	
230	235	240
Leu Val Lys Glu Tyr Ala Ala Phe Val	Leu Gly Ala Ala Phe Ser	
245	250	255
Ser Asn Pro Lys Val Gln Val Glu Ala	Ile Glu Gly Gly Ala Leu	
260	265	270
Gln Lys Leu Leu Val Ile Leu Ala Thr	Glu Gln Pro Leu Thr Ala	
275	280	285
Lys Lys Lys Val Leu Phe Ala Leu Cys	Ser Leu Leu Arg His Phe	
290	295	300
Pro Tyr Ala Gln Arg Gln Phe Leu Lys	Leu Gly Gly Leu Gln Val	
305	310	315
Leu Arg Thr Leu Val Gln Glu Lys Gly	Thr Glu Val Leu Ala Val	
320	325	330
Arg Val Val Thr Leu Leu Tyr Asp Leu	Val Thr Glu Lys Met Phe	
335	340	345
Ala Glu Glu Glu Ala Glu Leu Thr Gln	Glu Met Ser Pro Glu Lys	
350	355	360
Leu Gln Gln Tyr Arg Gln Val His Leu	Leu Pro Gly Leu Trp Glu	
365	370	375
Gln Gly Trp Cys Glu Ile Thr Ala His	Leu Leu Ala Leu Pro Glu	
380	385	390
His Asp Ala Arg Glu Lys Val Leu Gln	Thr Leu Gly Val Leu Leu	
395	400	405
Thr Thr Cys Arg Asp Arg Tyr Arg Gln	Asp Pro Gln Leu Gly Arg	
410	415	420
Thr Leu Ala Ser Leu Gln Ala Glu Tyr	Gln Val Leu Ala Ser Leu	
425	430	435
Glu Leu Gln Asp Gly Glu Asp Glu Gly	Tyr Phe Gln Glu Leu Leu	
440	445	450
Gly Ser Val Asn Ser Leu Leu Lys Glu	Leu Arg	
455	460	

<210> 66

<211> 264

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<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2483432

<400> 66

Met Arg Pro Leu Leu Gly Leu Leu Leu Val Phe Ala Gly Cys Thr
1 5 10 15
Phe Ala Leu Tyr Leu Leu Ser Thr Arg Leu Pro Arg Gly Arg Arg
20 25 30
Leu Gly Ser Thr Glu Glu Ala Gly Gly Arg Ser Leu Trp Phe Pro
35 40 45
Ser Asp Leu Ala Glu Leu Arg Glu Leu Ser Glu Val Leu Arg Glu
50 55 60
Tyr Arg Lys Glu His Gln Ala Tyr Val Phe Leu Leu Phe Cys Gly
65 70 75
Ala Tyr Leu Tyr Lys Gln Gly Phe Ala Ile Pro Gly Ser Ser Phe
80 85 90
Leu Asn Val Leu Ala Gly Ala Leu Phe Gly Pro Trp Leu Gly Leu
95 100 105
Leu Leu Cys Cys Val Leu Thr Ser Val Gly Ala Thr Cys Cys Tyr
110 115 120
Leu Leu Ser Ser Ile Phe Gly Lys Gln Leu Val Val Ser Tyr Phe
125 130 135
Pro Asp Lys Val Ala Leu Leu Gln Arg Lys Val Glu Glu Asn Arg
140 145 150
Asn Ser Leu Phe Phe Leu Leu Phe Leu Arg Leu Phe Pro Met
155 160 165
Thr Pro Asn Trp Phe Leu Asn Leu Ser Ala Pro Ile Leu Asn Ile
170 175 180
Pro Ile Val Gln Phe Phe Phe Ser Val Leu Ile Gly Leu Ile Pro
185 190 195
Tyr Asn Phe Ile Cys Val Gln Thr Gly Ser Ile Leu Ser Thr Leu
200 205 210
Thr Ser Leu Asp Ala Leu Phe Ser Trp Asp Thr Val Phe Lys Leu
215 220 225
Leu Ala Ile Ala Met Val Ala Leu Ile Pro Gly Thr Leu Ile Lys
230 235 240
Lys Phe Ser Gln Lys His Leu Gln Leu Asn Glu Thr Ser Thr Ala
245 250 255
Asn His Ile His Ser Arg Lys Asp Thr
260

<210> 67

<211> 339

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2493824

<400> 67

Met Ala Ala Ala Cys Gly Pro Gly Ala Ala Gly Tyr Cys Leu Leu
 1 5 10 15
 Leu Gly Leu His Leu Phe Leu Leu Thr Ala Gly Pro Ala Leu Gly
 20 25 30
 Trp Asn Asp Pro Asp Arg Met Leu Leu Arg Asp Val Lys Ala Leu
 35 40 45
 Thr Leu His Tyr Asp Arg Tyr Thr Thr Ser Arg Arg Leu Asp Pro
 50 55 60
 Ile Pro Gln Leu Lys Cys Val Gly Gly Thr Ala Gly Cys Asp Ser
 65 70 75
 Tyr Thr Pro Lys Val Ile Gln Cys Gln Asn Lys Gly Trp Asp Gly
 80 85 90
 Tyr Asp Val Gln Trp Glu Cys Lys Thr Asp Leu Asp Ile Ala Tyr
 95 100 105
 Lys Phe Gly Lys Thr Val Val Ser Cys Glu Gly Tyr Glu Ser Ser
 110 115 120
 Glu Asp Gln Tyr Val Leu Arg Gly Ser Cys Gly Leu Glu Tyr Asn
 125 130 135
 Leu Asp Tyr Thr Glu Leu Gly Leu Gln Lys Leu Lys Glu Ser Gly
 140 145 150
 Lys Gln His Gly Phe Ala Ser Phe Ser Asp Tyr Tyr Lys Trp
 155 160 165
 Ser Ser Ala Asp Ser Cys Asn Met Ser Gly Leu Ile Thr Ile Val
 170 175 180
 Val Leu Leu Gly Ile Ala Phe Val Val Tyr Lys Leu Phe Leu Ser
 185 190 195
 Asp Gly Gln Tyr Ser Pro Pro Pro Tyr Ser Glu Tyr Pro Pro Phe
 200 205 210
 Ser His Arg Tyr Gln Arg Phe Thr Asn Ser Ala Gly Pro Pro Pro
 215 220 225
 Pro Gly Phe Lys Ser Glu Phe Thr Gly Pro Gln Asn Thr Gly His
 230 235 240
 Gly Ala Thr Ser Gly Phe Gly Ser Ala Phe Thr Gly Gln Gln Gly
 245 250 255
 Tyr Glu Asn Ser Gly Pro Gly Phe Trp Thr Gly Leu Gly Thr Gly
 260 265 270
 Gly Ile Leu Gly Tyr Leu Phe Gly Ser Asn Arg Ala Ala Thr Pro
 275 280 285
 Phe Ser Asp Ser Trp Tyr Tyr Pro Ser Tyr Pro Pro Ser Tyr Pro
 290 295 300
 Gly Thr Trp Asn Arg Ala Tyr Ser Pro Leu His Gly Gly Ser Gly
 305 310 315
 Ser Tyr Ser Val Cys Ser Asn Ser Asp Thr Lys Thr Arg Thr Ala
 320 325 330
 Ser Gly Tyr Gly Thr Arg Arg Arg
 335

<210> 68

<211> 397

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature
 <223> Incyte ID No: 2555823

<400> 68

Met	Val	Arg	Pro	Gly	Ala	Arg	Leu	Cys	Leu	Gly	Ser	Val	Gly	Arg
1					5				10					15
Gly	Leu	Cys	Leu	Val	Leu	Pro	Leu	Leu	Cys	Leu	Gly	Ala	Gly	Phe
									25					30
Leu	Phe	Leu	Asn	Thr	Leu	Phe	Ile	Gln	Arg	Gly	Arg	His	Glu	Thr
									40					45
Thr	Trp	Thr	Ile	Leu	Arg	Arg	Phe	Gly	Tyr	Ser	Asp	Ala	Leu	Glu
									55					60
Leu	Thr	Ala	Asp	Tyr	Leu	Ser	Pro	Leu	Ile	His	Val	Pro	Pro	Gly
									70					75
Cys	Ser	Thr	Glu	Leu	Asn	His	Leu	Gly	Tyr	Gln	Phe	Val	Gln	Arg
									85					90
Val	Phe	Glu	Lys	His	Asp	Gln	Asp	Arg	Asp	Gly	Ala	Leu	Ser	Pro
									100					105
Val	Glu	Leu	Gln	Ser	Leu	Phe	Ser	Val	Phe	Pro	Ala	Ala	Pro	Trp
									115					120
Gly	Pro	Glu	Leu	Pro	Arg	Thr	Val	Arg	Thr	Glu	Ala	Gly	Arg	Leu
									125					135
Pro	Leu	His	Gly	Tyr	Leu	Cys	Gln	Trp	Thr	Leu	Val	Thr	Tyr	Leu
									140					150
Asp	Val	Arg	Ser	Cys	Leu	Gly	His	Leu	Gly	Tyr	Leu	Gly	Tyr	Prc
									155					165
Thr	Leu	Cys	Glu	Gln	Asp	Gln	Ala	His	Ala	Ile	Thr	Val	Thr	Arg
									170					180
Glu	Lys	Arg	Leu	Asp	Gln	Glu	Lys	Gly	Gln	Thr	Gln	Arg	Ser	Val
									185					195
Leu	Leu	Cys	Lys	Val	Val	Gly	Ala	Arg	Gly	Val	Gly	Lys	Ser	Ala
									200					210
Phe	Leu	Gln	Ala	Phe	Leu	Gly	Arg	Gly	Leu	Gly	His	Gln	Asp	Thr
									215					225
Arg	Glu	Gln	Pro	Pro	Gly	Tyr	Ala	Ile	Asp	Thr	Val	Gln	Val	Asn
									230					240
Gly	Gln	Glu	Lys	Tyr	Leu	Ile	Leu	Cys	Glu	Val	Gly	Thr	Asp	Gly
									245					255
Leu	Leu	Ala	Thr	Ser	Leu	Asp	Ala	Thr	Cys	Asp	Val	Ala	Cys	Leu
									260					270
Met	Phe	Asp	Gly	Ser	Asp	Pro	Lys	Ser	Phe	Ala	His	Cys	Ala	Ser
									275					285
Val	Tyr	Lys	His	His	Tyr	Met	Asp	Gly	Gln	Thr	Pro	Cys	Leu	Phe
									290					300
Val	Ser	Ser	Lys	Ala	Asp	Leu	Pro	Glu	Gly	Val	Ala	Val	Ser	Gly
									305					315
Pro	Ser	Pro	Ala	Glu	Phe	Cys	Arg	Lys	His	Arg	Leu	Pro	Ala	Pro
									320					330
Val	Pro	Phe	Ser	Cys	Ala	Gly	Pro	Ala	Glu	Pro	Ser	Thr	Thr	Ile
									335					345
Phe	Thr	Gln	Leu	Ala	Thr	Met	Ala	Ala	Phe	Pro	His	Leu	Val	His
									350					360
Ala	Glu	Leu	His	Pro	Ser	Ser	Phe	Trp	Leu	Arg	Gly	Leu	Gly	
									365					375

Val Val Gly Ala Ala Val Ala Ala Val Leu Ser Phe Ser Leu Tyr
 380 385 390
 Arg Val Leu Val Lys Ser Gln
 395

<210> 69
 <211> 301
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 2598242

Al
 <400> 69
 Met Glu Leu Ser Asp Val Thr Leu Ile Glu Gly Val Gly Asn Glu
 1 5 10 15
 Val Met Val Val Ala Gly Val Val Val Leu Ile Leu Ala Leu Val
 20 25 30
 Leu Ala Trp Leu Ser Thr Tyr Val Ala Asp Ser Gly Ser Asn Gln
 35 40 45
 Leu Leu Gly Ala Ile Val Ser Ala Gly Asp Thr Ser Val Leu His
 50 55 60
 Leu Gly His Val Asp His Leu Val Ala Gly Gln Gly Asn Pro Glu
 65 70 75
 Pro Thr Glu Leu Pro His Pro Ser Glu Gly Asn Asp Glu Lys Ala
 80 85 90
 Glu Glu Ala Gly Glu Gly Arg Gly Asp Ser Thr Gly Glu Ala Gly
 95 100 105
 Ala Gly Gly Val Glu Pro Ser Leu Glu His Leu Leu Asp Ile
 110 115 120
 Gln Gly Leu Pro Lys Arg Gln Ala Gly Ala Gly Ser Ser Ser Pro
 125 130 135
 Glu Ala Pro Leu Arg Ser Glu Asp Ser Thr Cys Leu Pro Pro Ser
 140 145 150
 Pro Gly Leu Ile Thr Val Arg Leu Lys Phe Leu Asn Asp Thr Glu
 155 160 165
 Glu Leu Ala Val Ala Arg Pro Glu Asp Thr Val Gly Ala Leu Lys
 170 175 180
 Ser Lys Tyr Phe Pro Gly Gln Glu Ser Gln Met Lys Leu Ile Tyr
 185 190 195
 Gln Gly Arg Leu Leu Gln Asp Pro Ala Arg Thr Leu Arg Ser Leu
 200 205 210
 Asn Ile Thr Asp Asn Cys Val Ile His Cys His Arg Ser Pro Pro
 215 220 225
 Gly Ser Ala Val Pro Gly Pro Ser Ala Ser Leu Ala Pro Ser Ala
 230 235 240
 Thr Glu Pro Pro Ser Leu Gly Val Asn Val Gly Ser Leu Met Val
 245 250 255
 Pro Val Phe Val Val Leu Leu Gly Val Val Trp Tyr Phe Arg Ile
 260 265 270
 Asn Tyr Arg Gln Phe Phe Thr Ala Pro Ala Thr Val Ser Leu Val
 275 280 285
 Gly Val Thr Val Phe Phe Ser Phe Leu Val Phe Gly Met Tyr Gly

290	295	300
Arg		

<210> 70
<211> 217
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 2634120

Al

<400> 70
Met Val Glu Val Gln Leu Glu Ser Asp His Glu Tyr Pro Pro Gly
1 5 10 15
Leu Leu Val Ala Phe Ser Ala Cys Thr Thr Val Leu Val Ala Val
20 25 30
His Leu Phe Ala Leu Met Val Ser Thr Cys Leu Leu Pro His Ile
35 40 45
Glu Ala Val Ser Asn Ile His Asn Leu Asn Ser Val His Gln Ser
50 55 60
Pro His Gln Arg Leu His Arg Tyr Val Glu Leu Ala Trp Gly Phe
65 70 75
Ser Thr Ala Leu Gly Thr Phe Leu Phe Leu Ala Glu Val Val Leu
80 85 90
Val Gly Trp Val Lys Phe Val Pro Ile Gly Ala Pro Leu Asp Thr
95 100 105
Pro Thr Pro Met Val Pro Thr Ser Arg Val Pro Gly Thr Leu Ala
110 115 120
Pro Val Ala Thr Ser Leu Ser Pro Ala Ser Asn Leu Pro Arg Ser
125 130 135
Ser Ala Ser Ala Ala Pro Ser Gln Ala Glu Pro Ala Cys Pro Pro
140 145 150
Arg Gln Ala Cys Gly Gly Gly Ala His Gly Pro Gly Trp Gln
155 160 165
Ala Ala Met Ala Ser Thr Ala Ile Met Val Pro Val Gly Leu Val
170 175 180
Phe Val Ala Phe Ala Leu His Phe Tyr Arg Ser Leu Val Ala His
185 190 195
Lys Thr Asp Arg Tyr Lys Gln Glu Leu Glu Glu Leu Asn Arg Leu
200 205 210
Gln Gly Glu Leu Gln Ala Val
215

<210> 71
<211> 143
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 2765411

<400> 71

Met Phe Pro Val Leu Gly Trp Ile Leu Ile Ala Val Val Ile Ile
 1 5 10 15
 Ile Leu Leu Ile Phe Thr Ser Val Thr Arg Cys Leu Ser Pro Val
 20 25 30
 Ser Phe Leu Gln Leu Lys Phe Trp Lys Ile Tyr Leu Glu Gln Glu
 35 40 45
 Gln Gln Ile Leu Lys Ser Lys Ala Thr Glu His Ala Thr Glu Leu
 50 55 60
 Ala Lys Glu Asn Ile Lys Cys Phe Phe Glu Gly Ser His Pro Lys
 65 70 75
 Glu Tyr Asn Thr Pro Ser Met Lys Glu Trp Gln Gln Ile Ser Ser
 80 85 90
 Leu Tyr Thr Phe Asn Pro Lys Gly Gln Tyr Tyr Ser Met Leu His
 95 100 105
 Lys Tyr Val Asn Arg Lys Glu Lys Thr His Ser Ile Arg Ser Thr
 110 115 120
 Glu Gly Asp Thr Val Ile Pro Val Leu Gly Phe Val Asp Ser Ser
 125 130 135
 Gly Ile Asn Ser Thr Pro Glu Leu
 140

<210> 72

<211> 186

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2769412

<400> 72

Met Ser Gly Ile Ser Gly Cys Pro Phe Phe Leu Trp Gly Leu Leu
 1 5 10 15
 Ala Leu Leu Gly Leu Ala Leu Val Ile Ser Leu Ile Phe Asn Ile
 20 25 30
 Ser His Tyr Val Glu Lys Gln Arg Gln Asp Lys Met Tyr Ser Tyr
 35 40 45
 Ser Ser Asp His Thr Arg Val Asp Glu Tyr Tyr Ile Glu Asp Thr
 50 55 60
 Pro Ile Tyr Gly Asn Leu Asp Asp Met Ile Ser Glu Pro Met Asp
 65 70 75
 Glu Asn Cys Tyr Glu Gln Met Lys Ala Arg Pro Glu Lys Ser Val
 80 85 90
 Asn Lys Met Gln Glu Ala Thr Pro Ser Ala Gln Ala Thr Asn Glu
 95 100 105
 Thr Gln Met Cys Tyr Ala Ser Leu Asp His Ser Val Lys Gly Lys
 110 115 120
 Arg Arg Lys Pro Arg Lys Gln Asn Thr His Phe Ser Asp Lys Asp
 125 130 135
 Gly Asp Glu Gln Leu His Ala Ile Asp Ala Ser Val Ser Lys Thr
 140 145 150
 Thr Leu Val Asp Ser Phe Ser Pro Glu Ser Gln Ala Val Glu Glu
 155 160 165

Asn Ile His Asp Asp Pro Ile Arg Leu Phe Gly Leu Ile Arg Ala
 170 175 180
 Lys Arg Glu Pro Ile Asn
 185

<210> 73
 <211> 364
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 2842779

al

<400> 73
 Met Pro Gly Cys Pro Cys Pro Gly Cys Gly Met Ala Gly Pro Arg
 1 5 10 15
 Leu Leu Phe Leu Thr Ala Leu Ala Leu Glu Leu Leu Gly Arg Ala
 20 25 30
 Gly Gly Ser Gln Pro Ala Leu Arg Ser Arg Gly Thr Ala Thr Ala
 35 40 45
 Cys Arg Leu Asp Asn Lys Glu Ser Glu Ser Trp Gly Ala Leu Leu
 50 55 60
 Ser Gly Glu Arg Leu Asp Thr Trp Ile Cys Ser Leu Leu Gly Ser
 65 70 75
 Leu Met Val Gly Leu Ser Gly Val Phe Pro Leu Leu Val Ile Pro
 80 85 90
 Leu Glu Met Gly Thr Met Leu Arg Ser Glu Ala Gly Ala Trp Arg
 95 100 105
 Leu Lys Gln Leu Leu Ser Phe Ala Leu Gly Gly Leu Leu Gly Asn
 110 115 120
 Val Phe Leu His Leu Leu Pro Glu Ala Trp Ala Tyr Thr Cys Ser
 125 130 135
 Ala Ser Pro Gly Gly Glu Gly Gln Ser Leu Gln Gln Gln Gln
 140 145 150
 Leu Gly Leu Trp Val Ile Ala Gly Ile Leu Thr Phe Leu Ala Leu
 155 160 165
 Glu Lys Met Phe Leu Asp Ser Lys Glu Glu Gly Thr Ser Gln Ala
 170 175 180
 Pro Asn Lys Asp Pro Thr Ala Ala Ala Ala Leu Asn Gly Gly
 185 190 195
 His Cys Leu Ala Gln Pro Ala Ala Glu Pro Gly Leu Gly Ala Val
 200 205 210
 Val Arg Ser Ile Lys Val Ser Gly Tyr Leu Asn Leu Leu Ala Asn
 215 220 225
 Thr Ile Asp Asn Phe Thr His Gly Leu Ala Val Ala Ala Ser Phe
 230 235 240
 Leu Val Ser Lys Lys Ile Gly Leu Leu Thr Thr Met Ala Ile Leu
 245 250 255
 Leu His Glu Ile Pro His Glu Val Gly Asp Phe Ala Ile Leu Leu
 260 265 270
 Arg Ala Gly Phe Asp Arg Trp Ser Ala Ala Lys Leu Gln Leu Ser
 275 280 285
 Thr Ala Leu Gly Gly Leu Leu Gly Ala Gly Phe Ala Ile Cys Thr

290	295	300
Gln Ser Pro Lys Gly Val Glu Glu Thr Ala Ala Trp Val Leu Pro		
305	310	315
Phe Thr Ser Gly Gly Phe Leu Tyr Ile Ala Leu Val Asn Val Leu		
320	325	330
Pro Asp Leu Leu Glu Glu Asp Pro Trp Arg Ser Leu Gln Gln		
335	340	345
Leu Leu Leu Cys Ala Gly Ile Val Val Met Val Leu Phe Ser		
350	355	360
Leu Phe Val Asp		

<210> 74

<211> 605

<212> PRT

<213> Homo sapiens

R1

<220>

<221> misc_feature

<223> Incyte ID No: 2966260

<400> 74

Met Gly Arg Leu Leu Arg Ala Ala Arg Leu Pro Pro Leu Leu Ser		
1	5	10
Pro Leu Leu Leu Leu Leu Val Gly Gly Ala Phe Leu Gly Ala Cys		
20	25	30
Val Ala Gly Ser Asp Glu Pro Gly Pro Glu Gly Leu Thr Ser Thr		
35	40	45
Ser Leu Leu Asp Leu Leu Leu Pro Thr Gly Leu Glu Pro Leu Asp		
50	55	60
Ser Glu Glu Pro Ser Glu Thr Met Gly Leu Gly Ala Gly Leu Gly		
65	70	75
Ala Pro Gly Ser Gly Phe Pro Ser Glu Glu Asn Glu Glu Ser Arg		
80	85	90
Ile Leu Gln Pro Pro Gln Tyr Phe Trp Glu Glu Glu Glu Leu		
95	100	105
Asn Asp Ser Ser Leu Asp Leu Gly Pro Thr Ala Asp Tyr Val Phe		
110	115	120
Pro Asp Leu Thr Glu Lys Ala Gly Ser Ile Glu Asp Thr Ser Gln		
125	130	135
Ala Gln Glu Leu Pro Asn Leu Pro Ser Pro Leu Pro Lys Met Asn		
140	145	150
Leu Val Glu Pro Pro Trp His Met Pro Pro Arg Glu Glu Glu Glu		
155	160	165
Glu Glu Glu Glu Glu Glu Met Glu Lys Glu Glu Val Glu Lys		
170	175	180
Gln Asp Val Glu Glu Glu Glu Leu Leu Pro Val Asn Gly Ser		
185	190	195
Gln Glu Glu Ala Lys Pro Gln Val Arg Asp Phe Ser Leu Thr Ser		
200	205	210
Ser Ser Gln Thr Pro Gly Ala Thr Lys Ser Arg His Glu Asp Ser		
215	220	225
Gly Asp Gln Ala Ser Ser Gly Val Glu Val Glu Ser Ser Met Gly		
230	235	240

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Pro Ser Leu Leu Leu Pro Ser Val Thr Pro Thr Ile Val Thr Pro
245 250 255
Gly Asp Gln Asp Ser Thr Ser Gln Glu Ala Glu Ala Thr Val Leu
260 265 270
Pro Ala Ala Gly Leu Gly Val Glu Phe Glu Ala Pro Gln Glu Ala
275 280 285
Ser Glu Glu Ala Thr Ala Gly Ala Ala Gly Leu Ser Gly Gln His
290 295 300
Glu Glu Val Pro Ala Leu Pro Ser Phe Pro Gln Thr Thr Ala Pro
305 310 315
Ser Gly Ala Glu His Pro Asp Glu Asp Pro Leu Gly Ser Arg Thr
320 325 330
Ser Ala Ser Ser Pro Leu Ala Pro Gly Asp Met Glu Leu Thr Pro
335 340 345
Ser Ser Ala Thr Leu Gly Gln Glu Asp Leu Asn Gln Gln Leu Leu
350 355 360
Glu Gly Gln Ala Ala Glu Ala Gln Ser Arg Ile Pro Trp Asp Ser
365 370 375
Thr Gln Val Ile Cys Lys Asp Trp Ser Asn Leu Ala Gly Lys Asn
380 385 390
Tyr Ile Ile Leu Asn Met Thr Glu Asn Ile Asp Cys Glu Val Phe
395 400 405
Arg Gln His Arg Gly Pro Gln Leu Leu Ala Leu Val Glu Glu Val
410 415 420
Leu Pro Arg His Gly Ser Gly His His Gly Ala Trp His Ile Ser
425 430 435
Leu Ser Lys Pro Ser Glu Lys Glu Gln His Leu Leu Met Thr Leu
440 445 450
Val Gly Glu Gln Gly Val Val Pro Thr Gln Asp Val Leu Ser Met
455 460 465
Leu Gly Asp Ile Arg Arg Ser Leu Glu Glu Ile Gly Ile Gln Asn
470 475 480
Tyr Ser Thr Thr Ser Ser Cys Gln Ala Arg Ala Ser Gln Val Arg
485 490 495
Ser Asp Tyr Gly Thr Leu Phe Val Val Leu Val Val Ile Gly Ala
500 505 510
Ile Cys Ile Ile Ile Ile Ala Leu Gly Leu Leu Tyr Asn Cys Trp
515 520 525
Gln Arg Arg Leu Pro Lys Leu Lys His Val Ser His Gly Glu Glu
530 535 540
Leu Arg Phe Val Glu Asn Gly Cys His Asp Asn Pro Thr Leu Asp
545 550 555
Val Ala Ser Asp Ser Gln Ser Glu Met Gln Glu Lys His Pro Ser
560 565 570
Leu Asn Gly Gly Ala Leu Asn Gly Pro Gly Ser Trp Gly Ala
575 580 585
Leu Met Gly Gly Lys Arg Asp Pro Glu Asp Ser Asp Val Phe Glu
590 595 600
Glu Asp Thr His Leu
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<210> 75

<211> 97

<212> PRT

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<213> Homo sapiens

<220>

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<223> Incyte ID No: 2993326

<400> 75

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20 25 30
Ala Leu Val Ile Val Phe Ile Gly Ala Phe Leu Val Leu Leu Phe
35 40 45
Leu Gly Arg Leu Thr Thr Gly Gly Ser Met Ala Arg Glu Ser Leu
50 55 60
Val Ala Ala Asn Arg Val Cys Ile Ser Arg Thr Leu Ser Ser Ser
65 70 75
Val Val Ser Val Cys Ile Ser Gly Gly Lys Gly Ser Pro Arg Leu
80 85 90
Pro Gly Gly Gly Arg Gly Pro
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<210> 76

<211> 247

<212> PRT

<213> Homo sapiens

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<223> Incyte ID No: 3001124

<400> 76

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Val Asp Thr Ile Ala Val Cys Leu Phe Ala Gly Ala Trp Gly Gly
20 25 30
Ala Met Val Pro Met His Leu Leu Gly Arg Leu Glu Lys Pro Leu
35 40 45
Leu Leu Leu Cys Cys Ala Ser Phe Leu Leu Gly Leu Ala Leu Leu
50 55 60
Gly Ile Lys Thr Asp Ile Thr Pro Val Ala Tyr Phe Phe Leu Thr
65 70 75
Leu Gly Gly Phe Phe Leu Phe Ala Tyr Leu Leu Val Arg Phe Leu
80 85 90
Glu Trp Gly Leu Arg Ser Gln Leu Gln Ser Met Gln Thr Glu Ser
95 100 105
Pro Gly Pro Ser Gly Asn Ala Arg Asp Asn Glu Ala Phe Glu Val
110 115 120
Pro Val Tyr Glu Glu Ala Val Val Gly Leu Glu Ser Gln Cys Arg
125 130 135
Pro Gln Glu Leu Asp Gln Pro Pro Pro Tyr Ser Thr Val Val Ile
140 145 150
Pro Pro Ala Pro Glu Glu Glu Gln Pro Ser His Pro Glu Gly Ser
155 160 165

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Arg Arg Ala Lys Leu Glu Gln Arg Arg Met Ala Ser Glu Gly Ser
170 175 180
Met Ala Gln Glu Gly Ser Pro Gly Arg Ala Pro Ile Asn Leu Arg
185 190 195
Leu Arg Gly Pro Arg Ala Val Ser Thr Ala Pro Asp Leu Gln Ser
200 205 210
Leu Ala Ala Val Pro Thr Leu Glu Pro Leu Thr Pro Pro Pro Ala
215 220 225
Tyr Asp Val Cys Phe Gly His Pro Asp Asp Asp Ser Val Phe Tyr
230 235 240
Glu Asp Asn Trp Ala Pro Pro
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<211> 193

<212> PRT

<213> Homo sapiens

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<223> Incyte ID No: 3120070

<400> 77

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35 40 45
Ser Leu Trp Trp Lys Cys Ser Gln Glu Gly Gly Ser Gly Ser
50 55 60
Tyr Glu Glu Gly Cys Gln Ser Leu Met Glu Tyr Ala Trp Gly Arg
65 70 75
Ala Ala Ala Ala Met Leu Phe Cys Gly Phe Ile Ile Leu Val Ile
80 85 90
Cys Phe Ile Leu Ser Phe Phe Ala Leu Cys Gly Pro Gln Met Leu
95 100 105
Val Phe Leu Arg Val Ile Gly Gly Leu Leu Ala Leu Ala Ala Val
110 115 120
Phe Gln Ile Ile Ser Leu Val Ile Tyr Pro Val Lys Tyr Thr Gln
125 130 135
Thr Phe Thr Leu His Ala Asn Pro Ala Val Thr Tyr Ile Tyr Asn
140 145 150
Trp Ala Tyr Gly Phe Gly Trp Ala Ala Thr Ile Ile Leu Ile Gly
155 160 165
Cys Ala Phe Phe Phe Cys Cys Leu Pro Asn Tyr Glu Asp Asp Leu
170 175 180
Leu Gly Asn Ala Lys Pro Arg Tyr Phe Tyr Thr Ser Ala
185 190

<210> 78

<211> 128

<212> PRT

<213> Homo sapiens

PF-0526 USN

<220>

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<223> Incyte ID No: 3133035

<400> 78

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35 40 45
Ileu Phe Ser Ser Ser Met Arg Asn Val Gln Phe Pro Gly Met Ala
50 55 60
Pro Gln Asn Leu Gly Arg Val Asp Lys Phe Asn Ser Ser Ser Leu
65 70 75
Met Val Val Tyr Thr Pro Ile Ser Asn Leu Thr Gln Gln Ile Met
80 85 90
Asn Lys Thr Ala Leu Ala Pro Leu Leu Lys Gly Thr Ser Val Ile
95 100 105
Gly Ala Gln Ile Ile His Thr Trp Thr Lys Tyr Phe Trp Lys Ile
110 115 120
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<210> 79

<211> 115

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<213> Homo sapiens

<320>

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<223> Incyte ID No: 3436879

<400> 79

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35 40 45
Tyr Ala Ala Ser Ile Ser Tyr Asp Leu Asn Arg Leu Pro Lys Leu
50 55 60
Ile Tyr Ser Leu Pro Ala Asp Val Glu His Gly Tyr Ser Trp Ser
65 70 75
Ile Phe Cys Ala Trp Cys Ser Leu Gly Phe Ile Val Ala Ala Gly
80 85 90
Gly Leu Cys Ile Ala Tyr Pro Phe Ile Ser Arg Thr Lys Ile Ala
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<210> 80

<211> 1869

<212> DNA

PF-0526 USN

<213> Homo sapiens

<220>

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<223> Incyte ID No: 153831

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aaaaaaaaaa 1869

<210> 81

<211> 1044

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 350629

<400> 81

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<212> DNA

<213> Homo sapiens

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<223> Incyte ID No: 1427389

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2310, 2325
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<213> Homo sapiens

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<223> Incyte ID No: 2455121

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1028

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<210> 115

PF-0526 USN

<211> 1581

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 182532

<400> 115

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catcaattgg aagggggtcc tgctcacagc atcaattttt aacttctgga atcccccac 180
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gcctgcatac agtggaaagag aaagagtata ttccaatgca tccctgctga tccagaatgt 420
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<210> 116

<211> 1566

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 239589

<400> 116

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 gacggtcacc atgatccctgt ctgcgggtcca catccaacct tttgacatta tctcagattt 660
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 aaaaaaa 1566

<210> 117

<211> 1815

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1671302

<400> 117

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<210> 118

<211> 1566

<212> DNA

<213> Homo sapiens

AJ
<220>

<221> misc_feature

<223> Incyte ID No: 2041858

<400> 118

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<210> 119

<211> 1055

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

PF-0526 USN

<223> Incyte ID No: 2198863

<220>

<221> unsure

<222> 1032, 1037, 1042

<223> a, t, c, g, or other

<400> 119

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<210> 120

<211> 1956

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 3250703

<220>

<221> unsure

<222> 1893, 1896, 1899, 1906, 1911, 1921, 1926-1929, 1932, 1935, 1940,
1948, 1950-1951, 1953

<223> a, t, c, g, or other

<400> 120

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 naaaannnnnt anttnagccn ctgttgtnn nanacc 1956

<210> 121
 <211> 1737
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 350287

<400> 121
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 aaaaaaattt taagacaaca agtaaccata tatagggtt tgaatgattt tctcattttt 360
 atctaatttc atttcataag tcccgagtaa tttacctacc ataggctact atactgataa 420
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<211> 789

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1618171

<400> 122

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<210> 123

<211> 1116

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

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<400> 123

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<210> 124

<211> 914

A1

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1638353

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<210> 125

<211> 2016

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1726843

<400> 125

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2016

<210> 126
<211> 2067
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 1754506

<400> 126

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<210> 127

<211> 2180

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1831378

<400> 127

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Q1
<210> 128

<211> 991

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1864943

<400> 128

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<210> 129

<211> 637

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1911316

<400> 129

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tactcagact tgatcgatta atgaagtgg tattttggcc tttgcttgat attatcaact 360
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caacattgac agttgggttga ggggtgtttg cacttgtac agcagtatgc tgtcttgccg 480
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attaaacata ttctgttatt ctccccaaaa aaaaaaaaa 637

<210> 130
<211> 2631
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<223> Incyte ID No: 1943120

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Q1

<210> 131
<211> 646
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 2314236

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<210> 132
<211> 541
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 2479409

<400> 132
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<210> 133

<211> 1922

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2683149

<400> 133

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<210> 134

<211> 840

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2774051

<220>

PF-0526 USN

<221> unsure

<222> 814

<223> a, t, c, q, or other

<400> 134

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<211> 443

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<213> Homo sapiens

<220>

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<223> Incyte ID No: 2949916

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<211> 902

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<223> Incyte ID No: 2989375

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<212> DNA

<213> Homo sapiens

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<211> 2031

<212> DNA

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<211> 1222

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<213> Homo sapiens

<220>

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<223> Incyte ID No: 3001124

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<213> Homo

<221>

<223> Incyte ID No

प्राचीन विजयी

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<213> Homo sapiens

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